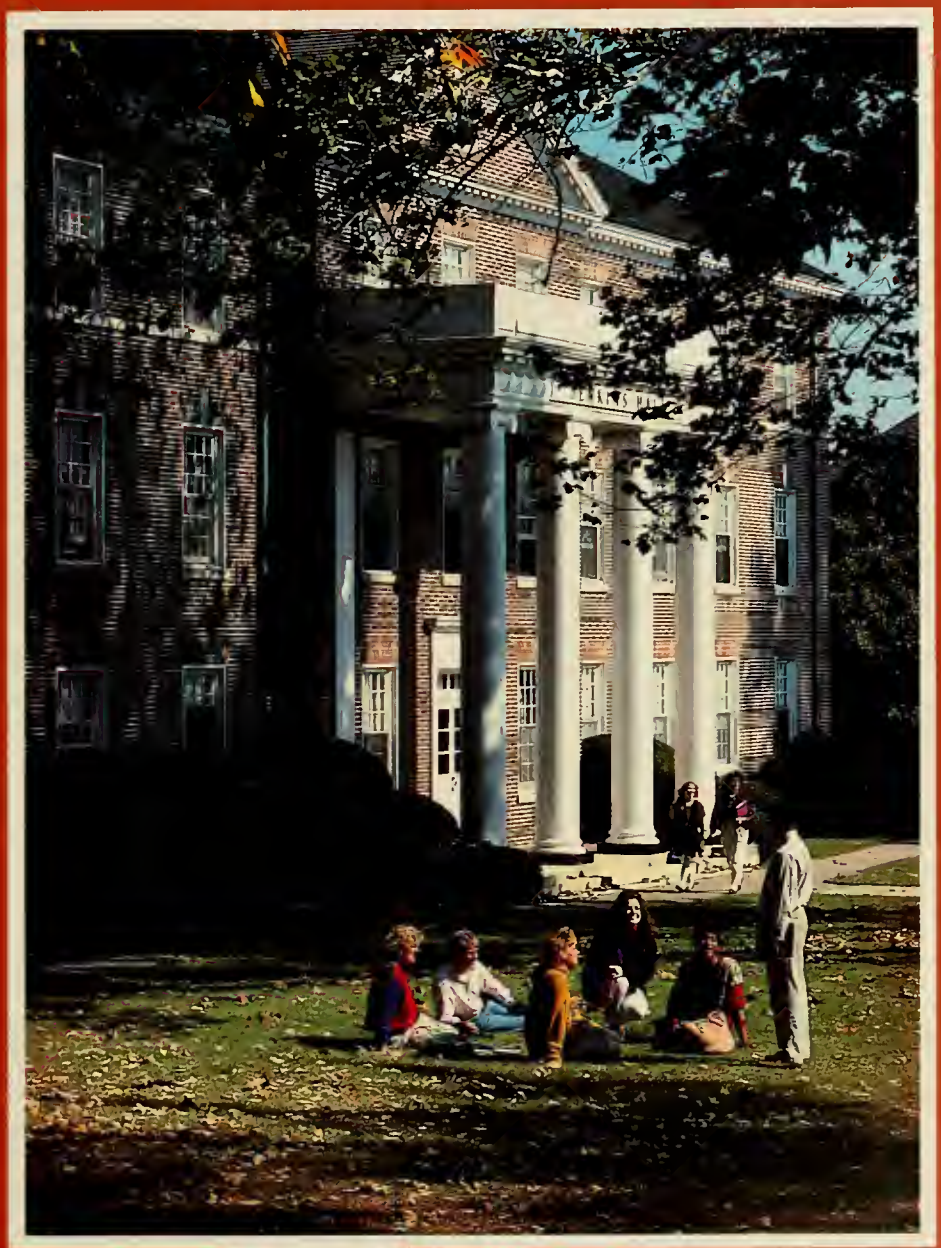
WEST VIRGINIA WESLEYAN COLLEGE



1992-94 Academic Catalog

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EXPENSES (pp. 19-21)

Instructional Charge The instructional charges in the table below apply to all students carrying 12-18 hours of work. For students carrying fewer than 12 hours, the charge is $560 per credit hour. For each credit hour in excess of 18, the charge is $200. The charge for Master of Business Administration courses is $225 per credit hour; for Master of Education courses, $175 per credit hour.

Estimate of Expenses

1993-94	Semester	Year	Summer	Jan Term
Instruction	$6,700	$13,400	See below.	$275/credit
Room (double occupancy)	825	1,650	50 per week	225/3 weeks
Board	925	1,850	75 per week	200/3 weeks
TOTAL	$8,450	$16,900		

Summer School Tuition will be announced through appropriate campus publications with the announcement of the summer school schedule.

Graduation and Diploma Change fee to $45.
Late Registration or Preregistration Change late registration fee to $50.

SCHOLARSHIPS (p. 25)

Revise section on **Ministerial Dependent Scholarships** to read: These provide one-half tuition aid at Wesleyan for unmarried dependent children (under age 23) of the following members of the West Virginia and Western Pennsylvania conferences of the United Methodist Church: full-time ordained ministers, full-time local pastors with at least three years of service, diaconal ministers, and conference missionaries. They provide one-fourth tuition aid for dependents of such members of other conferences of the United Methodist Church.

ACADEMIC POLICIES (p. 52)

To **Late registration**, change charge to $50.

Under **Course Load**, change maximum load covered by full-time tuition to eighteen credit hours per semester.

Under **Grades and Quality Points**, add In courses graded on a Pass/Fail basis, students must earn the equivalent of a C or better in order to receive a Pass.

ART (p. 59)

Replace **Requirements for Major in Studio Art**, **Requirements for Major in Art Education**, and **Requirements for Minor**:

Requirements for Major:
39-45 hours, including core courses plus requirements for one concentration as prescribed below.

Core Requirements (24 hours): Art 2, 3, 5, 6, 13, 16, 23, 24.

Painting and Drawing Concentration (18-21 hours): Art 8, 9, 19 (6 hours), Art 25 or 21, Art elective (3 hours), Art Internship for 0-3 hours of credit, Senior Exhibition.

Ceramics Concentration (15-18 hours): Art 4, 11, 12 (6 hours), Art elective (3 hours), Art Internship for 0-3 hours of credit, Senior Exhibition.

Graphic Design Concentration (18-21 hours): Art 25, 33, 34, 35, 36, 37, Art Internship for 0-3 hours of credit, Senior Exhibition.

Art History Concentration (15-18 hours): Art 1, a course in Non-Western art history (3 hours), Art elective (3 hours), a semester abroad with an art component (6 hours), Art Internship for 0-3 hours of credit, Senior Project or Exhibition.

Art Education Concentration (21 hours): Art 1; Art 4 or 11; Art 7, 8, 21, 31; Art 35 or 37.

Requirements for Minor:
Art 2, 3, 5, 6, 23, 24, plus 6 hours of studio art electives.

Change 4. Beginning Ceramics to
4. Ceramics. 3 hrs.
An introduction to wheel-thrown ceramics. The creation of functional objects using the traditional craft processes of forming clay on the potter's wheel. Investigation of techniques for decorating, glazing, firing.

Change descriptions of 5, 6. Design Fundamentals I, II to
5. Design Fundamentals I. 3 hrs.
Introduction to a study of the elements of design, applicable to all problems of visual expression. Comprehensive consideration of the principles of color and composition. Experimentation and practice in the problems related to two-dimensional design. *Offered alternate years.*

6. Design Fundamentals II. 3 hrs.
Introduction to the study of the principles of design and composition as applied to three-dimensional, sculptural work. Emphasis on additive, subtractive, and casting processes. Principles studied include balance, form, space, color, scale, and texture. *Prerequisite:* Art 5. *Offered alternate years.*

Drop 10. Sculpture.

Add 11. Ceramic Sculpture. 3 hrs.
An introduction to handbuilt ceramics. Emphasis on concept, design, and forming processes as they relate to ceramic sculpture. Students will explore sculpture concepts while working with a wide range of construction techniques including coil and slab, modelling, press molding, and casting. Various firing and glazing processes will be used.

Change prerequisite for Art 12. Advanced Ceramics to Art 4 and Art 11. Delete "Continuation of Art 4." from course description.

Merge 15. Art in America and 18. Modern European Art into
16. History of 20th Century Art. 3 hrs.
A study of important Western art of the 20th century including painting, sculpture, and architecture. Beginning with the major contributions of the movements of the late 19th century, students will explore the ideas of modern, western art on both sides of the Atlantic Ocean. *Offered alternate years.*

Change 19, 20. Painting III, IV: Advanced to
19. Advanced Painting. 3 hrs.

Add 25. Illustration and Rendering. 3 hrs.
Study of illustration and rendering for graphic design uses. Exercises to develop skills in product rendering, editorial illustration, and comprehensive illustration for client presentation. A variety of media and techniques will be explored. *Prerequisites:* Art 2, 5. *Offered alternate years.*

Drop 27. Creative Art Workshop.

Add: 33. Graphic Design I. 3 hrs.
A study of the processes involved in translating ideas into commercial, graphic images. Emphasis on design and layout for print production. Areas of investigation include idea generation, roughs, layout, typography, and presentation for client approval. *Prerequisite:* Art 5. *Offered alternate years.*

34. Graphic Design II. 3 hrs.
A continuation of Graphic Design I with emphasis on design for the mass print media: newspaper, magazine, advertising design. Advanced study of print production, including computer-aided design, color separation, color comprehensive presentation, and pre-press production. *Prerequisite:* Art 33. *Offered alternate years.*

35. Desktop Publishing I. 3 hrs.
An introduction to the use of computer systems for graphic and publication design. Study of graphic design concepts and processes using the computer as a design and production tool. Publication design, image scanning and manipulation, and typography will be studied using Pagemaker and other software for the Macintosh computer. *Prerequisite:* Art 5. *Offered alternate years.*

36. Desktop Publishing II. 3 hrs.
Advanced computer-generated publication design of magazine, newspaper, book, and collateral pieces using Pagemaker, Quark X-press, Illustrator, Photoshop, and other software for the Macintosh computer. Investigation of advanced typography and color digital pre-press production. *Prerequisite:* Art 35. *Offered alternate years.*

37. Computer Illustration. 3 hrs.
Computer-aided design and illustration using the Macintosh computer. Investigation of illustration techniques, scanned and video image manipulation, and production for hard copy imaging. Color and black and white illustration with digital output to 35mm slide or color printers. Software used includes Illustrator, Freehand, Photoshop, Superpaint, and others. *Prerequisites:* Art 2, 5, and Macintosh computer experience. *Offered alternate years.*

45. Internship. 0-3 hrs.
Designed to provide on-the-job training during the last three semesters of student work. Following art department internship guidelines and in coordination with the art faculty, students will secure an appropriate internship assignment in the field of their concentration. Summer internships encouraged. *Prerequisite:* Art major in last three semesters of study.

Drop 48. Studio Seminar.
49. Exhibition and Portfolio.

BIOLOGY (p. 61)

In Requirements for Major, change Chemistry 1 and 2 to Chemistry 11 and 12.

Add 30. Animal Behavior. 4 hrs.
A study of the behavior of animals from an evolutionary perspective, with emphasis on how natural selection shapes behaviors and the adaptive value of behaviors. Mate choice, reproductive strategies, parenting, social systems, vocalization, and competitive interactions will be covered. Laboratory stresses design and performance of experimental analysis of animal behavior. Field trips included. *Prerequisites:* Biology 1 and 2 or permission of instructor. Recommended for junior and senior biology and psychology majors. Substitutes for Ecology requirement for biology major.

CHEMISTRY

Change Requirements for Bachelor of Science Major to
40 semester hours of chemistry including 11, 12, 21, 22, 31, 33, 36, 43, 45, 46, 51, 53, plus 39 or 49. Biology 12 may be counted as an elective for the B.S. major.

Change Requirements for Bachelor of Arts Major to
24 semester hours including 11, 12, 21, 22, 31, 51.

Change Requirements for Minor to
A minimum of 8 hours above Chemistry 12.

Change 1, 2. Introductory Chemistry I, II to
11, 12. Principles of Chemistry I, II. 4 hrs.
Concepts and problem solving for science majors including premedicine and related fields; prerequisite for all courses above Chemistry 12. Lecture and laboratory. Students may not receive credit for both Chemistry 5-6 and Chemistry 11-12 sequences.

Change description of 5, 6. General Chemistry I, II:
A two-semester general studies survey course, appropriate for students in nursing, sports medicine and related fields; includes organic and biological chemistry. Lecture and laboratory. Students may not receive credit for both Chemistry 5-6 and Chemistry 11-12 sequences.

Change description of 21, 22. Organic Chemistry I, II:
Theory and practice of organic chemistry, including elements of spectroscopy. Lecture and laboratory. *Prerequisite:* Chemistry 12.

Change 25. Quantitative Analytical Chemistry to
31. Quantitative Chemical Analysis. 4 hrs.
Principles and techniques of analytical chemistry with emphasis on systems in equilibrium; volumetric, gravimetric, and instrumental analyses. Includes statistical treatment of data. Lecture and laboratory. *Prerequisite:* Chemistry 12.

Add 33. Inorganic Chemistry. 2 hrs.
A survey of the chemistry of transition metals and the nonmetals, with emphasis on covalent and coordination compounds. *Prerequisite:* Chemistry 12.

Change 26. Spectroscopic Methods of Analysis to
36. Spectroscopy. 4 hrs.
Principles and techniques of the common spectroscopic methods, with emphasis on problem solving. Lecture and laboratory. *Prerequisites:* Chemistry 21 or permission of instructor.

Change 41. Biochemistry to
35. Biochemistry. 3 hrs.
Structure, function, and metabolism of biomolecules, with emphasis on the flow of energy. *Prerequisite:* Chemistry 22.

Change description of 45, 46. Physical Chemistry I, II:
Application of the physical laws to chemical systems, including thermodynamics, quantum mechanics, and kinetics. *Prerequisites:* Chemistry 12, Mathematics 21, Physics 12.

Change 50. Specialized Analysis to
43. Specialized Chemical Analysis. 2 hrs.
Principles and applications of the less common techniques for chemical and instrumental analysis. *Prerequisites:* Chemistry 31 and 36.

Change 53, 54. Advanced Chemistry I, II to
41. Advanced Chemistry. 2 hrs.
Concepts and relationships in specialized areas of descriptive chemistry. *Prerequisites:* Chemistry 22, 33.

Change 55. Advanced Chemistry Lab I to
39. Intermediate Lab. 1 hr.
A series of laboratory exercises in synthesis, use of apparatus, and instrumental analysis. *Prerequisite:* Consent of instructor.

Change 56. Advanced Chemistry Lab II to
49. Advanced Lab. 1 hr.
Laboratory experiments in the techniques of physical chemistry including kinetics, equipment interfacing, electronics, and surface phenomena. *Prerequisites:* Chemistry 45 or consent of instructor.

Change 63. Seminar to
51. Seminar. 1 hr.
Development of scientific communication skills; oral and written presentations derived from the primary chemical literature. On-line literature search is included. *Prerequisite:* Chemistry major with senior standing.

Add 53. Research. 1-2 hrs.
Laboratory activities to acquaint the advanced student with the process of chemical research, including literature search, with emphasis on written and oral communication skills. Can be taken more than once. *Prerequisites:* Chemistry 22 and 31 plus consent of instructor.

CHRISTIAN EDUCATION AND CHURCH LEADERSHIP (p. 66)

Change 1. Introduction to Church Vocations from 2 to 3 hours.

ENGLISH (p. 78)

Add 20. Literature and the Bible. 3 hrs.
A study of archetypal narratives, figures, and concepts in the Old and New Testaments with attention to their reflection in subsequent literature. *Prerequisite:* English 1.

ENGLISH PROFICIENCY (p. 80)

In program description, delete
English proficiency courses count as developmental credits. No more than six hours of English proficiency studies may be applied toward a degree.
Add
Up to twelve credit hours of English proficiency courses may count toward a degree. Credit in the program beyond twelve hours will be classified as developmental and will be subject to the limit of seven hours of such credit that may be applied toward a degree.

Delete 10, 11. Fundamentals of Composition I, II.

Add 12, 13. Readings in English I, II. Each 2 hrs.
A reading and vocabulary-building course required of all students entering the English Proficiency Program. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

Delete 16, 17. Speaking and Listening I, II.

Add 24, 25. Intermediate Writing I, II. Each 2 hrs.
Taken concurrently with EPP 12 and 13, for students with intermediate-level skill in written English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

Add 28, 29. Intermediate Speaking
and Listening I, II. Each 2 hrs.
Taken concurrently with EPP 12 and 13, for students with intermediate-level skills in spoken English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

Add 34, 35. Advanced Writing I, II. Each 2 hrs.
Taken concurrently with EPP 12 and 13, for students with advanced-level skill in written English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

Add 38. Advanced Speaking and Listening. 2 hrs.
Taken concurrently with EPP 12, for students with advanced-level skill in spoken English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

Note: English Proficiency 20, 21, and 26 are retained as listed in the catalog.

GOVERNMENT (p. 81)

Add 38. International Organizations and Global Issues. 3 hrs.
Description under Sociology 38.

EDUCATION (p. 75)

Under Secondary Education, CHEMISTRY (9-12) and GENERAL SCIENCE (5-12), change Chemistry 1, 2 to Chemistry 11, 12.

HUMAN ECOLOGY (p. 85)

In Requirements for Major in Nutrition, Dietetic Emphasis, change Chemistry 1, 2 to Chemistry 11, 12.

MUSIC (p. 91)

Change 4. Introduction to Music for the Non-Music Major from 2 to 3 hours.

PHYSICAL EDUCATION AND HEALTH (p. 98)

Add to Requirements for Physical Education Major: Adult Fitness Concentration: 450 clock hours of laboratory or clinical experience.

PHYSICS AND ENGINEERING (p. 100)

Add to Requirements for Major in Physics, Bachelor of Arts Degree: Physics 51.

Add to Requirements for Major in Engineering Physics, Bachelor of Science Degree: Physics 51. Change Chemistry 1, 2 to Chemistry 11, 12.

Add 10. Introduction to Engineering. 1 hr.
The role of engineering in our society. History, ethical responsibilities, methods of problem-solving. Fields of engineering and relationships to the sciences. An introduction to CAD, CAM, and Quality Control. *Open to freshmen only.*

Change 52. Seminar to
51, 52. Research Seminar I, II. Each 1 hr.
A two-semester sequence required of all majors in the Department of Physics and Engineering. In the first semester, students will study the style of writing required for scientific research papers, become acquainted with scientific research journals, and write a research paper based on literature research. In the second semester, students will conduct experimental research and write a research paper and give an oral presentation based on their own work and results. *Prerequisite:* Physics or Engineering Physics major with senior standing.

PSYCHOLOGY (p. 102)

Change Requirements for Major, Track I to

1	General Psychology	3 hrs.
9	Tests and Measurements	3 hrs.
11	Psychological Experimentation	3 hrs.
13	Human Relations Training	3 hrs.
	or	or
24	Developmental Psychology I	2 hrs.
20	Theories of Counseling	3 hrs.
33-34	Practicum in Psychology I, II	4 hrs.
	Electives in Psychology	5-6 hrs.
		24 hrs.

Add 33, 34. Practicum in Psychology I, II. Each 2 hrs.
Practical internship experience in a supervised clinical setting, including planning and delivery of services, documentation and presentation of outcome. Supervised by psychology department faculty and field supervisors at practicum site. Campus and off-campus placements available; learning objectives and activities drawn from previous course content. *Prerequisites:* Psychology 20 plus either Psychology 24 (for placement in a child care agency) or Psychology 13 (for placement with college students).

RELIGION (p. 105)

Add 42, 43. Readings in Hellenistic Greek. Each 1-3 hrs.
Additional experience in translation and in using resources for philological study of the New Testament. *Prerequisite:* Religion 40, 41. *Offered in alternate years.*

SOCIOLOGY AND ANTHROPOLOGY (p. 107)

Add 38. International Organizations and Global Issues. 3 hrs.
A study of international governmental and non-governmental organizations as systems of institutions for promoting cohesive social forces, the evolution of the United Nations and its system of agencies, and current global social issues. *Prerequisite:* Junior or senior standing.

8-9-93 Office of the Dean of the College

Academic Catalog 1992-94

West Virginia Wesleyan College

Buckhannon, WV 26201-2998
Phone (304) 473-8000

Admission (304) 473-8510 (Local)
1-800-522-9933 (West Virginia)
1-800-722-9933 (Other States)

NOTICE OF NONDISCRIMINATION/AFFIRMATIVE ACTION

West Virginia Wesleyan College, a private educational institution, is committed to the principle of equal opportunity for all qualified persons, welcomes students of all backgrounds and takes pride in the diversity of its faculty and staff. It assures students of access to all the privileges, programs and activities generally accorded or made available at the College. West Virginia Wesleyan College strongly supports affirmative action principles and does not discriminate on the basis of creed, religion, national or ethnic origin, age, race, color, gender or handicap in the administration of its educational programs, admissions policies, financial aid programs, athletics, co-curricular activities or other College administered programs.

The *West Virginia Wesleyan Catalog* is published biennially by West Virginia Wesleyan College, Buckhannon, West Virginia 26201-2998. The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to make and designate the effective date of changes in curriculum, course offerings, fees, requirements for graduation and other regulations, at any time such changes are considered to be desirable or necessary.

WESLEY HALL

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BENEDUM
CAMPUS
COMMUNITY CENTER
OX

College Calendar

1992-93

1992 Fall Semester

August	29	Saturday	Orientation for new students begins
	30	Sunday	Residence halls open for returning students (5 pm)
	31-1	Mon.-Tue.	Registration
September	2	Wednesday	Classes convene
	8	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	26	Saturday	Parents' Day
October	12	Monday	Progress reports due in Registrar's Office
	14	Wednesday	Incomplete grades for Summer School due in Registrar's Office
	16	Friday	Founders Day
	17	Saturday	Homecoming
	19	Monday	Second 6 weeks classes begin
November	2	Monday	Last day for withdrawing from full-semester classes
	11-12	Wed.-Thu.	Preregistration
	17-18	Tue.-Wed.	Preregistration
	21	Saturday	Fall Break; Residence halls close (12 noon)
	29	Sunday	Residence halls open (12 noon)
	30	Monday	Classes resume (8 am)
December	14-17	Mon.-Thu.	Final Examinations
	17	Thursday	Residence halls close (7 pm)
	21	Monday	Final grades due in Registrar's Office

1993 January Term

January	3	Sunday	Residence halls open (12 noon)
	4	Monday	January Term classes begin
	5	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	13	Wednesday	Last day for withdrawing from classes
	22	Friday	Final Examinations

1993 Spring Semester

January	26	Tuesday	Registration
	27	Wednesday	Classes convene (8 am)
February	2	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
March	4	Thursday	Progress reports due in Registrar's Office
	10	Wednesday	Incomplete grades from Fall Semester and January Term due in Registrar's Office
	13	Saturday	Spring Break; Residence halls close (12 noon)
	21	Sunday	Residence halls open (12 noon)
	22	Monday	Classes resume (8 am)
			Second 6 weeks classes begin

April	1	Thursday	Last day for withdrawing from full-semester classes
	9	Friday	Good Friday—classes dismissed
	14, 19, 21	Wed., Mon., Wed.	Preregistration (tentative)
	24-25	Sat.-Sun.	Spring Weekend
May	1	Saturday	Admission Open House
	7	Friday	Reading Day
	8-13	Sat.-Thu.	Final Examinations
	13	Thursday	Residence halls close for nongraduating students (7 pm)
	14	Friday	Baccalaureate
	16	Sunday	Commencement
	18	Tuesday	Final grades due in Registrar's Office

Summer School dates available after March 1.

Calendar subject to modification in the interest of the total College program.

1993-94

1993 Fall Semester

August	28	Saturday	Orientation for new students begins
	29	Sunday	Residence halls open for returning students (5 pm)
	30-31	Mon.-Tue.	Registration
September	1	Wednesday	Classes convene
	7	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
October	8	Friday	Founders Day
	9	Saturday	Homecoming
	11	Monday	Progress reports due in Registrar's Office
	13	Wednesday	Incomplete grades from Summer School due in Registrar's Office
	20	Wednesday	Second 6 weeks classes begin
November	1	Monday	Last day for withdrawing from full-semester classes
	10-11	Wed.-Thu.	Preregistration
	16-17	Tue.-Wed.	Preregistration
	20	Saturday	Fall Break; Residence halls close (12 noon)
	28	Sunday	Residence halls open (12 noon)
	29	Monday	Classes resume
December	14	Tuesday	Reading Day
	15-18	Wed.-Sat.	Final Examinations
	18	Saturday	Residence halls close (7 pm)
	21	Tuesday	Final grades due in Registrar's Office

1994 January Term

January	2	Sunday	Residence halls open (12 noon)
	3	Monday	January Term classes begin
	4	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	12	Wednesday	Last day for withdrawing from classes
	21	Friday	Final Examinations

1994 Spring Semester

January	25	Tuesday	Registration
	26	Wednesday	Classes convene (8 am)
February	1	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
March	3	Thursday	Progress reports due in Registrar's Office
	9	Wednesday	Incomplete grades from Fall Semester and January Term due in Registrar's Office
	14	Monday	Second 6 weeks classes begin
	25	Friday	Last day for withdrawing from full-semester classes
	26	Saturday	Spring Break; Residence halls close (12 noon)
April	4	Monday	Residence halls open (12 noon)
	5	Tuesday	Classes resume (8 am)
	13	Wednesday	Preregistration (tentative)
	19 . 21	Tue., Thu.	Preregistration (tentative)
	23-24	Sat.-Sun.	Spring Weekend
	30	Saturday	Admission Open House
May	6	Friday	Reading Day
	7-12	Sat.-Thu.	Final Examinations
	12	Thursday	Residence halls close for nongraduate students (7 pm)
	13	Friday	Baccalaureate
	15	Sunday	Commencement
	17	Tuesday	Final grades due in Registrar's Office

Summer School dates available after March 1.

1993 Parents' Day to be scheduled.

Calendar subject to modification in the interest of the total College program.

Wesleyan: Your College?

What Is Wesleyan?

Unite the pair so long disjoined, knowledge and vital piety.

—Charles Wesley—

Founded in 1890 and located in the Allegheny Highlands of north central West Virginia — in the foothills of the Appalachian Mountains — West Virginia Wesleyan College continues a long and rich tradition of intellectual inquiry and personal growth that together prepare men and women of diverse backgrounds and interests to meet the challenges of tomorrow.

Each year, over 1,500 students and 100 faculty assemble on campus to form a new community of learners. Wesleyan's historic ties with the United Methodist Church are reaffirmed daily in campus intellectual life — characterized by full discussion of the controversial values, issues and choices which confront today's educated person. The College seeks to guide its own mission in directions which draw from a deep appreciation for the lessons of the past, awareness of the demands of the present, and readiness to use creativity in the face of a changing global agenda.

Statement of Mission

Introduction

West Virginia Wesleyan College is an independent residential college related to the United Methodist Church. While enrolling the majority of its students from other states and several foreign countries, Wesleyan is committed to a tradition of serving the institutions and people of West Virginia.

Wesleyan recognizes that its students bring a rich diversity of regional, cultural, and religious experiences to the campus and, in turn, graduate and contribute to widely different and dynamic domains of responsibility. The college embraces the fact that each generation greets the challenge of integrating complex roles in the public and private spheres. The Wesleyan program helps students to identify career goals and, where appropriate, to develop professional skills.

Wesleyan challenges all members of its community to set standards of excellence. This high purpose is exhilarating and places a great responsibility upon those who choose to study, teach, and work here. Members of the college community give each other strength through fellowship, worship, and campus festivities. It is a privilege to gather in support of the life of the mind, to foster civility of spirit, to advance freedom of inquiry, to love goodness, justice, truth and beauty, to nurture delight in service, and to encourage the exploration of this world and the creation of new ones.

Affirmation

West Virginia Wesleyan College's program of liberal education is intended to motivate its students to seek truth and knowledge throughout their lives. It emphasizes undergraduate teaching that respects the creativity of learners and fosters self-discovery, intellectual and moral integrity, and global responsibility for the earth's inhabitants.

West Virginia Wesleyan College has a sustained commitment to encourage students' intellectual, spiritual, social and physical development. Specifically, Wesleyan seeks to create an environment for its students which will foster:

- the capacity to think clearly, to read with understanding, and to speak and write with clarity, economy, and some elegance

- an appreciation for the great forms of human self-expression in the arts, science, religion and culture, and their interrelatedness
- an understanding and appreciation of those questions of commitments and values in the Christian faith as a part of free inquiry into human spirituality
- personal qualities of spiritual growth, thoughtfulness, mutual respect, self-esteem, leadership, and physical wellness.

What Can Wesleyan Do For You?

The College is concerned about you as a person and about the quality of life you will lead in the future. It stresses respect for the dignity of persons, invites your inquiry into the meaning of life, and exhibits what visitors describe as an "uncommon friendliness." This friendliness should not be mistaken for casualness, however. Because Wesleyan cares profoundly for you, it expects a great deal from you: integrity, initiative, compassion, flexibility, curiosity, humor, and a capacity for joy.

The aim of its liberal arts focus is to educate you to educate yourself, to *learn how to learn throughout your life.* No person can amass all the existing knowledge in any area today. A liberal arts approach, however, familiarizes students with broad areas of knowledge and with the dominant themes, principles, and ideas important in our time.

It allows students to develop intellectually and personally as they refine their understanding of self and of the larger world community. It encourages them to live responsibly and to develop confidence and skills that will make them future leaders.

What Learning Environment Does Wesleyan Provide?

Wesleyan's campus facilities are among the most comprehensive and modern in the state and, indeed, in the region. Wesley Chapel, with its soaring steeple, sets the traditional Georgian architectural style that prevails on campus. Other buildings include the Benedum Campus Community Center, Middleton Hall — housing the Department of Nursing and the offices of Admission and Student Aid, the John D. Rockefeller IV Physical Education Center, and Barnhart Memorial Student Health Center. All of these modern, fully equipped facilities are described in greater detail elsewhere in this catalog.

Mention should be made here, however, of the Christopher Hall of Science, home of Wesleyan's outstanding programs in biology, chemistry, computer science, engineering physics, mathematics, physics, and psychology. Visitors are intrigued by the building's planetarium, herbarium, and greenhouse facilities. The College's up-to-date computing facilities include state-of-the-art microcomputer laboratories as well as the mainframe VAX 11/750 and Microvax 3800 and 3900 to support instructional, administrative and library uses. This diversity allows a broad range of capabilities including on-line administrative and

academic computing, advanced research, and hands-on education.

The Lynch-Raine Administration Building, one of the oldest buildings on campus, houses a number of key administrative offices and the departments of Business and Economics and Communication and Dramatic Arts. Atkinson Auditorium is the Drama Department's laboratory and staging area. Haymond Hall, another of the campus' older buildings, has been renovated into a modern, air-conditioned classroom and office facility that houses several academic departments, a learning center, a fully equipped audio-visual aids center, modern nutrition and apparel laboratories, and a small television studio used for instructional purposes.

The Loar Memorial Building provides studios, classrooms, practice rooms, and a recital hall for the Department of Music. The original music hall, Wesleyan's second oldest building, provides studio and lecture space for the Department of Art and faculty offices for the Department of English.

One of the most important facilities is A. M. Pfeiffer Library, which maintains a collection of over 143,000 volumes and subscribes to 655 current periodicals and newspapers. The library has a beautiful 18th century facade, but its interior is designed for contemporary use. Its own holdings are accessed via computer terminals using the ATLAS system from Data Research Associates. EPIC and DIALOG, online services which provide subject access to more than 220 million sources, allow access beyond the Wesleyan campus. A number of databases on CD are available, as well as a microcomputer lab containing IBM PC's, Macintoshes, and terminals for the college's VAX mainframe system. Comfortable chairs, open stacks, meeting lounges, and study areas, combined with the personalized service offered by the staff, contribute to the library's learning environment.

In all, some thirty-two buildings are owned and operated by the College, including ten residential buildings. With the exception of Agnes Howard Hall (1895), the oldest building on campus, the residence halls conform to the campus' Georgian style.

As stressed in the Student Life section, the learning environment at Wesleyan goes beyond the classroom experience to include all areas of campus life, the Buckhannon community, and many additional off-campus opportunities.

An individualized and flexible curriculum; a high degree of student participation in the decisions of the College through one of the first Community Councils in the country; a wide variety of cultural, social, and athletic events; a highly qualified and dedicated faculty — all are major factors in Wesleyan's atmosphere designed to support learning.

Wesleyan Accreditation

West Virginia Wesleyan is accredited by the North Central Association of Colleges and Schools and approved by the University Senate of The United Methodist Church. The College holds membership in the National Association of Schools of Music and is approved by the West Virginia Department of Education. The College participates in the Interstate Certification Project, whereby a number of states now certify teachers graduating from Wesleyan's Department of Education. Wesleyan's nursing program is accredited by the National League for Nursing.

The College is a member of the National Association of Independent Colleges and Universities, the American Association of Colleges for Teacher Education, Campus Compact, and the Council of Independent Colleges.

Wesleyan is approved by the American Association of University Women and participates in the American College Testing Program, the College Entrance Examination Board, American Library Association, State of West Virginia Board of Examiners for Registered Nurses, and National Association of Schools and Colleges of the United Methodist Church. The athletic programs are affiliated with the West Virginia Intercollegiate Athletic Association, the National Association of Intercollegiate Athletics, and the National Collegiate Athletic Association, Division II.

Admission

Wesleyan seeks students with inquiring and creative minds who will profit from a liberal arts program in an atmosphere of freedom with responsibility.

Students are selected by the Office of Admission on the basis of their ability, interests, academic preparation, character, and promise, as indicated by their own statements on the application, as well as by high school or college records, recommendations, and standardized test results. Since applicants are considered on their own merit, the College invites applicants for admission to supply further evidence to indicate their competence and eagerness to deal with a demanding and exciting program.

Open without discrimination to all qualified students, the College reserves the right to refuse to admit any applicant who, because of low scholarship or citizenship record, is deemed by the Committee on Admission and Academic Standing unlikely to succeed within the standards the College seeks to maintain.

Admission of High School Graduates

Persons wishing to be admitted directly from high school should present the following items to the Director of Admission:

1) An application for admission on a form furnished by the College with the $25 fee (non-refundable).

2) A transcript of record from an accredited high school. showing courses pursued, grades earned, and credits earned in at least grades 9 through 11. In addition to any transcript used in the application process, a final copy certifying graduation must be submitted prior to actual enrollment.

3) A record of either SAT (Scholastic Aptitude Test) or ACT (American College Test) scores.

Applicants for the special support services program may request details about additional application requirements and deadlines from the Office of Admission.

Applicants from non-accredited high schools or completing General Educational Development testing may be considered for admission if they demonstrate satisfactory ability and achievement.

Admission of Transfer Students

Persons seeking to transfer from another accredited college or university may be admitted to advanced standing upon presentation of the following items to the Office of Admission:

1) An application for admission on a form furnished by the College with the $25 fee (non-refundable).

2) An official transcript showing all credits attempted at all post-secondary institutions previously attended.

3) A high school transcript certifying graduation and showing courses pursued and grades earned. Applicants with a cumulative college grade point

average of less than 2.5 must submit either SAT or ACT scores along with the high school transcript.

West Virginia Wesleyan College will accept for transfer credit courses compatible with its academic program. The grades and hours so earned shall count toward graduation. Nursing transfer students should refer to the Nursing Department program in this catalog.

Credit for courses taken in non-accredited institutions may be held for one academic year pending successful performance ("C" average) on work taken at Wesleyan. The Committee on Admission and Academic Standing may require examinations to demonstrate satisfactory knowledge of such courses.

Admission With Associate in Arts Degree

Students who transfer to Wesleyan with an A.A. degree from a regionally accredited community or junior college may be admitted with the degree credited as fulfilling Wesleyan's general education requirements when the total educational background, including high school record, shows compatibility with Wesleyan's general education requirements. Obvious deficiencies in general education requirements must be minimally met. Students who meet these requirements may proceed directly to courses and prerequisites for the major.

West Virginia Wesleyan College does not accept more than sixty-eight semester hours of credit from a junior or community college.

Readmission of Former Students

Former students who were in good standing may be readmitted upon completion of the appropriate forms in the Admission Office.

Former students who were not in good standing may seek to be readmitted after meeting the conditions stated at the time of dismissal and upon completion of the appropriate forms. Transcripts of any credits completed at other institutions of higher learning should be filed with the application for readmission, which is available upon request from the Office of Admission.

Other Classifications of Admission

Admission of International Students

Students whose primary language is not English should be aware that Wesleyan conducts all of its instructional program in English. However, the College offers an English Proficiency Program which provides a limited basic program for the learning of English as a second language. Therefore, applicants from abroad will be required to certify their language competency through a TOEFL score of 550, or they may be required to enroll in courses in the English Proficiency Program. This program carries an additional fee. Information on required standards and a special application form are available from the Office of Admission.

Alternative Entry Program

The Alternative Entry Program is designed to meet the needs of those persons twenty-five years of age or older who are interested in pursuing an academic degree program. Alternative Entry allows the possibility of life experience and noncollegiate educational credits being applied towards the degree, based on the student's background and work experience. Such evaluations will be made by the student's advisor and the AEP coordinator. Contact the Academic Affairs Office for more information.

Conditional Admission

At the discretion of the Director of Admission and the Dean of the College, students may be admitted conditionally or on academic probation. All restrictive conditions will be specified at the time of admission. Those who fail to meet the conditions or maintain a satisfactory record may be dismissed. See the Academic Probation section in this catalog for details.

Special Category

Students wishing to take one or more courses without pursuing a degree from Wesleyan must submit a special student application for each semester of course work desired. No student financial aid is available for special category students. Contact the Office of Admission for details about the simplified application process.

Advanced Placement By Examination

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Students who have taken and satisfactorily passed college-level courses in high school and who have passed the Advanced Placement Examination of the Educational Testing Service at the level of "3" may apply to the College for credit or advanced placement in these subjects. These examinations are administered in the spring. Applicants must have results sent to the Office of Admission for verification prior to the fall semester.

Wesleyan has adopted an extensive program of credit by examination. The Advanced Placement Program as well as the College Level Examination Program (CLEP) are integral parts of this program. For detailed information, see the section entitled Academic Program.

NOTE: See section entitled Academic Program for information on:
Credit For Noncollegiate Study
Credit for Educational Experience In Armed Services

Expenses and Student Aid

Expenses

Application Fee

The application fee for admission is $25.

Enrollment Deposit

All new students, including freshmen, transfers and readmits, shall make an enrollment deposit with the Admission Office in the amount of $100. This deposit will be treated by the Bursar's Office as an advance payment against the student's semester account. The deposit may be refunded to prospective students who notify the College in writing of withdrawal not later than May 31.

Orientation Fee

To cover the cost of the Orientation program, all new students pay an additional charge of $100 each.

Instructional Charge

The instructional charge (1992-93) is $6,303 per semester for all students carrying from twelve through sixteen semester hours of work. For students carrying fewer than twelve semester hours of work, the charge is $525 per semester hour. For each semester hour carried in excess of sixteen, the charge is $200.

The instructional charge for courses taken during the summer session is $250 per semester hour.

There are special charges for private instruction in any course not regularly scheduled. Registration for such a course is permitted only in the most extraordinary cases, and must be approved in advance by both the Dean of the College and the instructor involved.

The instructional charge for graduate study in the M.B.A. program is $225 per semester hour.

Estimate of Expenses

1992-93	Semester	Year	Summer School
Instruction	$ 6,303	$ 12,605	$250 per cr. hr.
Room (Double Occupancy)	775	1,550	75/Week
Board	900	1,800	100/Week
Total	**$7,978**	**$15,955**	

This estimate does not include books, travel, clothing, medical reimbursement insurance, amusements, and other personal expenses.

The College reserves the right to change any of the charges at any time.

Miscellaneous Fees

Applied Music Fee
For individual instruction in Music the charge is $150 per credit hour.

Auditors
Auditors pay $50 for any course audited. However, if an audited course does not constitute an overload for a regularly enrolled student, then no audit fee is required. If any portion of the course audited represents an overload, then the full fee of $50 shall be due.

Automobile Registration Fee
The automobile registration fee is $20 per year.

Breakage and Damage to Property
A charge will be made to cover cost of equipment broken in laboratories.

A charge will be made to cover any damage done to college property beyond the wear caused by normal and proper use thereof. Damage in college housing not chargeable to an individual will be shared by occupants of the residence hall, floor, or other designated area.

English Proficiency Program
For enrollment in the English Proficiency Program the charge is $125 per credit hour.

Graduation and Diploma
During the registration period for the semester or summer term in which students complete requirements for a degree, they will pay a graduation and diploma charge of $40.

January Term
Students enrolled full time either first or second semester will incur no additional tuition charges for the January Term experience. Part-time students will pay the tuition charge of $250 per semester hour of credit.

Students residing in college housing and/or eating in college dining halls during the first and second semesters will incur no additional charge for room and board during January Term. Those students who are in college residence halls and/or eating in the college dining halls only one semester will pay one-half of the appropriate charge(s) for the January Term.

Late Application for Degree
A charge of $20 is made for any application for a degree filed less than twelve months prior to anticipated completion of degree requirements.

Late Registration or Preregistration
A charge of $20 is made for failure to register or preregister on dates designated.

Medical Reimbursement Insurance Service
An optional Medical Reimbursement Insurance is available for students who need such coverage. (See Health Services in the Student Life section.)

Room Deposit
Enrolled students who desire to live in college housing shall pay a room deposit in the amount of $100 not later than the last day of spring semester exams each year. This deposit will apply toward the student's account for the following semester. This deposit may be refunded if the student notifies the college in writing not later than July 1 that he or she is withdrawing from college.

Special Support Services
Students accepted into the Support Services Program for learning disabled students are charged $1,850 per semester for the first year of participation and $1,000 per semester for the second year. The charge for the third year is $500 per semester and for the fourth year, $250 per semester.

Teacher Education Fee
All students in teacher education will pay a $125 fee for the semester in which they do student teaching.

Transcripts
One transcript of a student's record is furnished free. A charge of $3, payable in advance, is made for each additional transcript. An application for a teacher's certificate completed by the College constitutes a transcript.

Terms of Payment

As a means of providing experience and emphasizing punctuality and responsibility in business matters, the College prefers to deal directly with students rather than with their parents.

Students will be billed in advance of each semester (July and December) by the Office of the Bursar for tuition, fees and other applicable charges. Early payment is urged to ensure that adequate financial arrangements are complete, thereby simplifying registration procedures. All payments are due by the time of registration. Any student not meeting this requirement, who has guaranteed financial assistance from an authorized agency outside the College, must present a letter of guarantee to the Bursar on or before the day of registration.

For those who prefer a monthly payment plan, the College makes such a service available through Academic Management Services, a private corporation. There is no interest charge; however, a $45 annual fee is charged to cover the administration of the program as well as Life Benefit Coverage. Information concerning this plan may be obtained from the Bursar's Office.

Students with unsettled accounts will not be permitted to preregister or register for a subsequent term or semester.

Students are not eligible to receive transcripts of credits or diplomas until all charges are paid in full.

Refunds

Funds in excess of institutional costs are refunded to the student after the schedule change period and must be requested in writing. In view of the fact that charges paid by students cover much less than the total operating cost of the College, refunds are subject to the following regulations:

1) For a student withdrawing from the College because of illness, or for other honorable reasons considered adequate by the College, the following refund schedule will be used:

Summer School & January Term

Within 3 class days	80% of tuition refunded
4 to 6 class days	60% of tuition refunded
7 to 9 class days	40% of tuition refunded
After 9 class days	No refund

First and Second Semesters

Within 2 weeks	80% of tuition refunded
2 to 4 weeks	60% of tuition refunded
4 to 6 weeks	40% of tuition refunded
After 6 weeks	No refund

(Students making schedule changes moving them from full-time to part-time status or reducing their part-time load after the first five days of a semester or the first two days of a summer term will receive refunds of the difference in instructional charges according to the schedule listed above for withdrawal from the College.)

2) A student withdrawing from the College during a semester or summer term for any reason other than those stated in 1) above will receive no refund of instructional charges.

3) A student withdrawing from the College during a semester or summer term will receive no refund of charges for room.

4) A student withdrawing from the College during a semester or summer term, for any reason, will be refunded a part of the charges for board proportionate to the number of days of the semester or summer term remaining after the meal ticket is surrendered.

5) A student dismissed for disciplinary reasons will receive no refund of any charges, except for board, as provided under 4) above.

6) A student asked to vacate a residence hall room for disciplinary reasons will receive no refund of charges for room.

7) Special conditions related to the January Term are explained in the January Term catalog.

Scholarships and Student Financial Aid

Financial aid at West Virginia Wesleyan College is available on the basis of scholastic achievement, special talents and abilities, and financial need. Awards are given for a period of one academic year, beginning in September. Students must apply for all financial aid each year.

More detailed information is available from the Student Aid Office or Admission Office. The following describes general guidelines and resources.

Requirements governing eligibility to receive financial aid: An applicant must be enrolled as a full-time student and must accumulate a minimum grade point average of 2.00 for institutionally funded aid. Recipients of federal Title IV aid must be enrolled at least half time, and their continued eligibility will be reviewed annually based on the cumulative grade point average related to credit hours attempted. Total institutional assistance cannot exceed billed costs (tuition, fees, room, board).

Procedure to follow when applying for financial aid: (1) When first applying, complete the West Virginia Wesleyan Application for Admission and return it to the Admission Office. (2) Carefully complete the Financial Aid Form (FAF) and submit it to the College Scholarship Service before March 1 to receive primary consideration from available resources. (3) Sign and return to the Student Aid Office the Award Letter, which outlines the financial aid package to be awarded for the academic year.

General information: Financial aid awards for entering students are announced beginning in March; awards for returning students are made on a rolling basis pending receipt of required information. Aid reapplication forms will be made available to on-campus students in advance of scheduled deadlines.

The College will credit any funds received to the student's account until all institutional charges have been paid, subject to program limitations. Grants and scholarships will be credited to the student's account (half each semester or as stated); loans will be credited to the student's account after the promissory note has been signed or the check endorsed. Student work earnings will be paid by check on the fifteenth day of the month following the month worked, and the student will be required to endorse the check to the College if a balance remains on the

account. Federal regulations governing Title IV programs require that financial information for selected applicants be verified before funds can be credited to a student. If selected for verification, students and parents will be notified concerning required documentation and the steps to complete the process.

Scholarships

Wesleyan Scholars Program: To recognize and encourage academic excellence, merit scholarships providing full tuition, room and board, books and various other benefits are awarded annually to outstanding incoming freshmen. These are renewable for four years based on continued exceptional academic performance and Honors Program participation. Information on the application process is available from the Admission Office. The deadline for application is February 1 with selection in March.

Presidential Merit Scholarship Program: To recognize significant academic achievement and extracurricular involvement, scholarships of $5,000 and up per academic year are awarded to outstanding freshman and transfer students. Students meeting the academic criteria will be awarded scholarships which can be renewed annually based on continued high academic performance and extracurricular involvement.

Information on the application process, required standards, and renewal requirements is available from the Admission and Student Aid offices.

Wesleyan Academic Scholarships: Renewable merit awards of $3,000 and up per academic year are awarded to students who demonstrate strong academic performance and leadership capabilities.

Wesleyan United Methodist Scholarships: To recognize academic performance of United Methodist Church members, the College awards scholarships to eligible students who show academic promise and leadership potential.

Wesleyan Grants: These awards assist full-time applicants who show financial need.

Performing and Visual Arts Scholarships: These recognize superior contributions to the campus in music, art, and drama.

Athletic Scholarships: These recognize achievement in intercollegiate athletics.

Ministerial Dependent Scholarships: These provide one-half tuition aid at Wesleyan for unmarried dependent children (under age 23) of full-time ordained United Methodist ministers of the West Virginia and Western Pennsylvania Conferences; one-fourth tuition aid for dependents of ministers of other conferences.

National United Methodist Scholarships: The Board of Higher Education and Ministry of The United Methodist Church annually awards several West Virginia Wesleyan students (usually upperclassmen) scholarships of $500 to $750 each. In order to qualify, a student must meet the general requirements for admission to the College, have been a member of The United Methodist Church for at least one year prior to date of application, be outstanding in Christian motive and purpose, and rank high in scholarship. National United Methodist Scholarships may be renewed, subject to the same conditions as govern original awards. Funds for this program come from the annual Methodist Student Day offering for the Student Loan and Scholarship Fund.

Ethnic Minority Scholarships: These recognize academic achievement and leadership potential.

Nursing Scholarships: These are awarded to outstanding students who plan to major in nursing.

Restricted Scholarships: Various special and restricted scholarships have been established at Wesleyan. These vary in amount and are awarded by the Director of Student Aid according to specific criteria of the donors. Awards are made on the basis of information contained in the financial aid file, so additional applications are not required.

Dr. H. Pat and Betty Lou Furr Albright Scholarship
Nora Amundson Memorial Scholarship
Lelia Rosa Bailey Scholarship
Sophia Banes Scholarship
Brian Michael and Christopher Alan Barosh Scholarship
Bayard United Methodist Church Scholarship
Beckley District United Methodist Scholarship
John L. Bennett Scholarship
James Nathan Berthy, Jr. Memorial Award
W. Chilton Bobbitt and Alta Heaton Bobbitt Scholarship
Kathryn Bodie Scholarship
Brooke Family Scholarship
Burgess Property Scholarship
Basil Burns Scholarship
Caldabaugh Family Scholarship
Centennial Scholarship Fund
Class of 1940 Centennial Scholarship
Class of 1959 Scholarship
Class of 1960 Scholarship
Joe Merrells Cox Drama Award
Maggie Merrells Cox Scholarship
Nelson and Nina C. Cox Scholarship
C. Ross Culpepper Scholarship
Olive O'Dell Culpepper Trustee Scholarship
The Reverend & Mrs. M. H. Cummings Memorial Scholarship
M. and H. Cummings Nursing Scholarship
Scott Munson Cutlip Scholarship
Hazel Cline Dillon Scholarship for Women
George and Virginia Dixon Scholarship
Pearl Dorsey Scholarship
Lionel and Margaret Driscoll Scholarship
Ira G. Duncan Scholarship
Thomas B. Dunn Scholarship
Hank Ellis Scholarship
Everett's West Virginia Scholarship
Falls Mill Weston District Scholarship
Bonnie Farnsworth Scholarship
William Drummond Foster Scholarship
D. W. Fox Scholarship
Laura Hortense Frazer Scholarship
Edith Leona Freeman Scholarship
Eliza Logan Frissell Scholarship
Kathleen M. Fulk Scholarship Fund
Thorold S. Funk Scholarship
James W. and Virginia Holloway Furbee Scholarship
G. E. Gaston Scholarship
Marie Gaston Memorial Scholarship
William H. Gilmore Scholarship
Mary Katherine Gleason Scholarship
Dr. L. S. Grose Memorial Scholarship
Thaddeus Gurdak Scholarship
Sherman Hagaman Scholarship
Dr. William A. Hallam Scholarship
Hammer Sisters Scholarship for Education
Teresa B. Hanes Scholarship
Mary Elizabeth Hardesty Nursing Scholarship
Arnim C. Hinkle Scholarship
Irma Holderby Scholarship
Nicholas Hyma Scholarship
Myron B. and Cecile West Hymes Memorial Scholarship
Pearl Lowe Johnson Scholarship
E. Ray Jones Scholarship
George A. Kinley Scholarship
Kirchner Memorial Scholarship
Hugh A. and Alice Latimer Scholarship
James P. and Ruth F. Law Scholarship
Dorothy Lee Scholarship
Ross and Ruby Linger Scholarship
Allison Linkinogger Memorial Scholarship
G. W. Loar Scholarship
Judson H. Loar Scholarship
Mary G. Loar Scholarship
E. Kidd Lockard Scholarship
Glen W. Maddy Scholarship
Mahan Scholarship
Thomas Allen Manfuso Scholarship
Stanley H. Martin Scholarship
William Burdette Mathews Memorial Scholarship
Reta Heavner Maxwell Scholarship
Esther T. McAllester Scholarship
McCune Foundation Scholarship
McCuskey Memorial Scholarship
Flora E. Miles and Agnes M. Davidson Scholarship
B. M. and Elizabeth Mitchell Scholarship
Charles D. Munson, Jr. Memorial Scholarship
Geraldine Ella Smith Muscari Memorial Fund
Virginia Rexrode Myles Scholarship for Music and Performing Arts
Mary Martha O'Brien Scholarship
P.E.O. Scholarship
Okey Patteson Memorial Scholarship
Pickens Memorial Scholarship
Herbert L. and May Virginia Price Memorial Scholarship
J. Roy Price Scholarship

Floyd and Eunice Prunty Scholarship
E. K. and L. E. Tenney Reed Family Scholarship
Phares and Edythe Pauley Reeder Scholarship
David E. Reemsnyder Memorial Scholarship
Earl G. Rees Scholarship
Lilly King Reger Scholarship
Robert H., Gwen F., and William C. Reger Scholarship
Stanley and Eva Rexrode Scholarship
William H. and Daisy M. Robinson Scholarship
Hilary Rodgers Scholarship
G. I. Rohrbough Memorial Scholarship
Sam Ross Memorial Scholarship
Gertrude D. Roush Scholarship
French A. See Scholarship
Herb Sharp Circuit Rider Scholarship
Herb Sharp Scholarship Endowment
John C. Shaw Scholarship
David W. and Helen B. Sheppard Scholarship
Laman C. Shingleton Scholarship
Edna Sigley Scholarship
Flossie Snodgrass Memorial Scholarship
Leta Snodgrass Memorial Art Scholarship
Pauline H. Sprouse Memorial Scholarship
B. F. Standiford Scholarship
Norma Strader Stemple Memorial Scholarship
Okey J. Stout Memorial Trustees' Award
Glen and Mary Sutherland Scholarship
Allison Swisher Scholarship
Silas D. Tamblyn Scholarship
Rev. and Mrs. Albert Tenney Scholarship
Coy A. Thomas Scholarship
Matthew Thompson Memorial Scholarship
B. T. Trevey Scholarship
Ada K. Tuckwiller Scholarship
William and Jennie Thomas Waggy Scholarship
Carl C. Weber Scholarship
Carl G. Weltman Scholarship
Calvin A. West Scholarship
West Virginia Conference Centennial Scholarship
West Virginia Wesleyan Permanent Endowment Fund
Frank E. Williams Jr. Scholarship
Katherine L. Williams Scholarship
Geraldine C. Willis Scholarship
Chloe Cook Workman Wallet Memorial Scholarship
Mabel Snodgrass Workman Scholarship
Dr. M. Arthur Workman Scholarship
Lillian Mayfield Wright Scholarship
Elizabeth Zumbrunnen Scholarship

The Mason Crickard Scholarship: The Greater Kanawha Valley Foundation, a non-profit, charitable foundation located in Charleston, West Virginia, awards scholarships from a trust established by Mason Crickard, Wesleyan Class of '07. The recipients of these competitive grants are students who demonstrate good character, scholastic ability, and leadership potential. In accordance with the provisions of the will establishing the fund, preference is given to residents of Randolph County, Upshur County and the area comprising The Greater Kanawha Valley in West Virginia. Award amounts depend, in part, on the demonstrated need of the recipient. Application information may be obtained in the Student Aid Office.

Grants

Various grants for educational support are available to qualified students from state and federal sources or are awarded by the College to students manifesting special talents or abilities. Wesleyan funds require the annual maintenance of a 2.00 average; requirements of other programs vary.

Program Leadership Grants recognize and support student leadership in some co-curricular programs of the College, including chapel, publications, radio and forensics.

Pell Grants are made available by the federal government to students meeting eligibility criteria based on data submitted on the FAF or the Federal Student Aid Application. Students must be enrolled at least half-time in an undergraduate program. Notification of eligibility is mailed directly to the student with instructions to supply this notice to the Director of Student Aid in order to receive the grant.

Supplemental Educational Opportunity Grants are awarded annually by the College under a federal program to undergraduate students with exceptional financial need. The grants range from $100 to $4,000, with amounts determined by the need of the student.

State Grants are available from various states for use at Wesleyan. All students should inquire into this possibility. West Virginia, Massachusetts, Connecticut, Pennsylvania, and Vermont are some whose residents receive state grants at Wesleyan. West Virginia residents should be sure their Financial Aid Form is received by the College Scholarship Service by March 1 and that high schools mail early the grade report forms to the West Virginia Board of Regents.

Student Employment

Work opportunities for students are offered in almost all areas of the college community. Work study awards vary in amount according to job placement and hours scheduled. The federal minimum wage is paid. Financial need is not the only criterion, but a financial aid form is required for placement.

Loans

Educational loans offer the possibility of meeting college costs with borrowed money, to be paid back after graduation, usually with favorable repayment terms. Because of periodic revisions in federal programs, students should inquire for more specific information about such loans.

Perkins Loans (formerly National Direct Student Loans) offer up to $2,000 per year from available funds for students with exceptional financial need.

Stafford Loans (formerly Guaranteed Student Loans) are intended to make loan money available to students enrolled at least half time in college. Up to $2,625 a year for the first two years, and up to $4,000 a year thereafter is available, with repayment at a favorable interest rate beginning six months after the borrower ceases to attend college. Eligibility for a Stafford Loan is determined by calculating need, based on an appropriate needs analysis. The College will certify the cost, financial aid received, and the calculated family contribution to determine the loan amount for which the borrower is eligible.

Parents Loans for Undergraduate Students and Supplemental Loans for Students assist families and independent students to assume financial responsibility for their own college education. A parent or independent student may borrow up to $4,000 a year with repayment beginning within sixty days. Repayment can frequently be deferred upon request. Applications are available at participating banking and lending agencies.

United Methodist Student Loans, for up to $1,000 per calendar year, are made available by the Board of Higher Education and Ministry to eligible United Methodist students through the college Student Aid Office.

College Loan Funds have been established by donors wishing to assist Wesleyan students to fulfill their educational goals. These monies are administered by the Director of Student Aid.

- Claude Worthington Benedum Loan Fund
- Christopher Loan Fund
- Iva Cooper Gould Loan Fund
- Charles and Mary Lou Grant Loan Fund
- Hartley-Perine Loan Fund
- Benjamin Haught Revolving Loan Fund
- Eva I. King Loan Fund
- Liggett Memorial Loan Fund
- James Mahood Loan Fund
- Mr. and Mrs. L. H. Morrison and Daughters Loan Fund
- Lilly Riggs Loan Fund
- Tetrick Student Loan Fund
- Mary E. Webb Loan Fund
- Wesleyan Student Loan Fund
- Guy Wilson Loan Fund

Other Sources of Funds

Students are urged to explore scholarships from local fraternal organizations, parent-teacher associations, church-related groups, businesses, corporations, veterans' associations, or other funding agencies.

Disbursements/Refunds

All financial aid, including loans, is applied to the student's account to cover institutional costs. Refunds to students withdrawing prior to completing the term or reducing credit hours to below full-time status are in accordance with institutional policy and certain federal and state regulations. All Title IV funds awarded (Pell, SEOG, Stafford, Perkins, and CWS) are refundable according to Title IV program regulations. Institutional and state monies are refunded consistent with the refund period in effect at the time of the request. Complete information is available in the Student Aid Office.

Student Life

Freedom with responsibility is an important aspect of life at Wesleyan. Both students and faculty value the freedom to function creatively and effectively within the college's living and learning community.

The College considers meaningful experiences in community living, co-curricular activities, and campus leadership as significant complementary elements of a true liberal arts education. A number of states and several foreign countries are represented in the student body, faculty, and staff, and the merging of this diversity produces a dynamic, lively and interesting community of people. The College is committed to a challenging academic program in a residential setting that enhances the molding of the individual into a learned, responsive, sensitive, committed, and well-rounded personality. Happenings outside the classroom are important to the student's growth and development. Appreciation of diversity, acceptance of responsibility for one's own actions, participation in group endeavors, respect for the value of community life, exercise of one's leadership capabilities, and development of organizational and self-management skills — these broadening experiences occur in the residence halls and through participation in co-curricular activities.

The Chapel and Religious Center

It is no accident that Wesley Chapel is located at the center of the campus, its spire towering over all the buildings. The Chapel is a clear affirmation of Wesleyan's commitment to the integration of intellectual, emotional, and spiritual concerns. Here the campus community gathers for worship on a regular basis, encounters a variety of cultural events, undertakes the academic study of religion, philosophy, and religious education, learns about community service opportunities, and finds resources for counseling and personal guidance.

Every Tuesday of the academic year the campus community is invited to worship at Wesley Chapel. The Dean of the Chapel, as well as guest speakers from throughout the region, lead the community in worship that challenges both intellectually and spiritually. The musical and dramatic arts are frequently utilized with special assistance coming from campus choral and dramatic groups. Roman Catholic Mass is celebrated each weekend on campus.

A series of convocations is planned each semester which focuses on current issues and features guest speakers and presentations by faculty and students, often including the creative and performing arts.

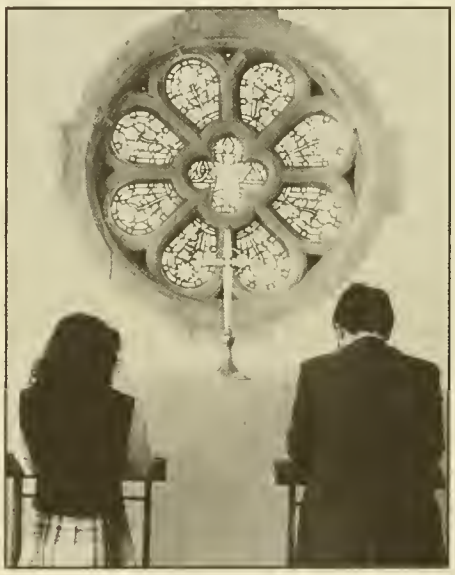
The Chapel and Martin Religious Center serve the campus as a meeting place for groups involved in various religious, humane, and academic concerns. The Peace Education Committee

works to keep issues of peace and justice before the campus community and presents the Wesleyan Peace Award to persons and organizations in recognition of outstanding service in these areas. The Christian Life Council, advised by the Dean of the Chapel, coordinates the activities of campus religious groups and plans special events and programs. Among other groups offering service to the campus and the larger community are Sigma Theta Epsilon and Kappa Phi (Christian service organizations), LoveShine (putting the Christian message into dramatic and musical form), Intervarsity Christian Fellowship, Wesley Foundation, and Chapel Choir.

The office of Volunteer Programs, as a part of the Chapel Program, serves to develop and support community service activities for students. Opportunities include the French Creek Mentoring Program, where students work and play with rural elementary school students; the Student Literacy Corps, which focuses on literacy-based service; Big Brothers/Big Sisters; and the Read Aloud program. The Volunteer Programs office also helps to link the Wesleyan community with local agencies and organizations where students can develop leadership and citizenship skills.

The offices of the Dean of the Chapel, Volunteer Programs, Outreach Education, and the departments of Religion, Philosophy, Christian Education, and Modern Languages are located in the Center. The Chapel building also contains the Sleeth Art Gallery, Chambers Lounge, and the West Meditation Chapel. The Meditation Chapel is open for use by students and college staff in small group worship and private meditation.

Wesleyan is a campus open to persons of all faiths. The Chapel and Religious Center stand as symbols of both our Christian identity and our concerned openness to religious diversity.



The Physical Education Center

The John D. Rockefeller IV Physical Education Center seats more than 3,700 spectators and is one of the finest small college sports complexes in the country. Its eastern wing is attached to the Campus Center, allowing students easy access to the college pool. The main gym accommodates intercollegiate basketball, volleyball and, with its portable stage, concerts and large-scale events. The Center also contains an auxiliary gym and an indoor Astroturf facility. Other facilities include an anatomy and physiology laboratory, an athletic training room, four racquetball courts, an indoor tennis court, an indoor golf practice area, sauna baths, a dance studio, a cheerleading room, a free weight room, and a weight room containing 21 pieces of Nautilus equipment, four Stairmaster machines, a NordicTrack, and three Concept II rowing machines.

Wesleyan is a fitness-conscious campus. In addition to seventeen intercollegiate varsity sports, the College sponsors an Adult Fitness program and an extensive intramural program. Fraternity, sorority, and independent student teams may participate in intramural volleyball, basketball, touch football, kickball, softball, racquetball, billiards, table tennis, golf, swimming, and running. Nearby state parks and nature areas also offer significant opportunities for outdoor recreation and sponsored trips.

Health Services

The modern Barnhart Memorial Health Center provides out-patient medical treatment, health education, and physician coverage. The College provides the services of two registered nurses and three local physicians during daytime office hours. When students are admitted to Wesleyan, they must submit a physical examination and immunization report.

Accidents or cases of serious illness which occur during hours when the Health Center is closed are referred to the emergency room at St. Joseph's Hospital, which provides 24-hour emergency service. All students receiving medical care must assume the responsibility of meeting the financial payment directly to the physician or hospital from personal funds or through their hospitalization programs. The College cannot assume responsibility for prolonged or specialized medical care or for hospitalization.

Information about medical reimbursement insurance, covering accidents and hospitalization, is distributed to students annually. Such insurance is available at a minimal cost. It is strongly recommended that all students admitted to West Virginia Wesleyan College be covered by parents' insurance or by the optional plan described above.

The Campus Center

The Benedum Campus Center offers facilities for swimming, bowling, billiards, pinball, reading, TV viewing, conversation-over-coffee, a quick lunch with friends, and lively bull sessions. It is a place of recreation, relaxation, and work. Located in the building are the College Bookstore, Post Office and radio studios of student-run C92, as well as the offices of the student

newspaper, yearbook, and student government association.

The offices of the Dean of Student Development, the Director of Housing and Residence Life, the Director of New Student Programs and Advising, Security, and the full range of student services are located in the Center.

Most of the campus social and cultural programming is coordinated by the Director of Campus Activities and Campus Activities Board. Each weekend, entertainment such as concerts, variety shows, comedians, dances, and box office films is presented. Other activities include recreational trips, athletic tournaments, game nights, and student talent shows. In addition, box office films are scheduled on the College's television cable system.

Cultural Events

The partially endowed Cultural Committee and Campus Activities Board together provide the campus with numerous cultural activities. These events include concerts, dramatic productions, musical performances, modern dance and ballet, lectures, and a foreign film series. Touring artists such as Ballet Hispanico of New York, North Carolina Dance Theatre, West Virginia Symphony Chamber Orchestra, and National Theatre of the Deaf, as well as residencies by artists and writers have brought excellence to the campus in recent semesters.

Community Council

The coordination of campus activities and organizations is the responsibility of Community Council, composed of representatives from the student body at large, specific student groups, the faculty and the administration. This body meets weekly to facilitate campus communication and to develop proposals for change in College policy and procedure. These open meetings are designed to serve as a meaningful forum for the discussion of campus problems and issues by interested members of the College community.

The Town

Buckhannon townspeople have always considered the College an integral part of the larger community and each year welcome the influx of students with genuine friendliness. The community regularly attends athletic and cultural events, and local churches issue open invitations for all Wesleyan students to become involved in their activities.

In addition to the downtown businesses, which provide for the student's needs during the year, the surrounding area has a number of recreational and shopping opportunities for students to enjoy.

Student Activities

A variety of activities and organizations are responsive to the interests of the student body. Wesleyan men and women participate in a total of seventeen intercollegiate sports and support an active and competitive intramural program. Wesleyan's musical organizations have received recognition throughout the eastern United States. The West Virginia Wesleyan Concert Chorale annually performs on tour in cities and towns in the East and has toured abroad during the summers. The Jazz

Ensemble is recognized as one of the best in West Virginia and has also toured abroad. Involvement runs high in these and other musical ensembles.

Individual events in the forensics program have brought home a number of national trophies. Students interested in drama participate in two or three major productions each year, plus a selection of student-directed performances, children's theatre, and reader's theatre. Students interested in journalism and communications find their way to the offices of the *Pharos* and *Murmurmontis*, the campus newspaper and yearbook, or to the campus radio station, C92, and the television production studio.

Five national social fraternities maintain fraternity houses near the campus: Chi Phi, Kappa Alpha Order, Phi Sigma Phi, Theta Chi, and Theta Xi. Alpha Phi Alpha is a national fraternity which has begun the campus recognition process through Inter-Fraternity Council. Four national sororities occupy meeting suites in a special wing of Holloway Hall: Alpha Delta Pi, Alpha Gamma Delta, Alpha Xi Delta and Zeta Tau Alpha.

Departmental organizations and honoraries include: Economics Club; Mortar Board (Leadership); Human Ecology Club; Student National Education Association; Student Nurses of Wesleyan; Sigma Tau Delta (English); Alpha Psi Omega (Dramatic Arts); Delta Sigma Rho-Tau Kappa Alpha (Forensics); Benzene Ring (Chemistry); Beta Beta Beta (Biology); Delta Mu Delta (Business); Delta Psi Kappa (Women's Athletics); Kappa Delta Pi (Education); Kappa Omicron Nu (Human Ecology); Omicron Delta Kappa (Leadership); Omicron Delta Epsilon (Economics); Sigma Theta Tau (Nursing); Phi Kappa Phi (Senior Scholarship); Phi Alpha Theta (History); Pi Gamma Mu (Social Science); Psi Chi (Psychology);

Sigma Alpha Iota (Women's Music Honorary); Music Educators National Conference; Sociology Club; Kappa Phi (Christian Women); Sigma Theta Epsilon (Christian Men); and Alpha Lambda Delta (Freshman Scholarship).

Interest groups recognized as campus organizations include: Black Student Union, International Student Organization, Peace Education Committee, College Republicans, American Marketing Association, Public Relations Club, Environmental Club, and 4-H Club.

Honors and Awards

A special Awards Convocation is held annually at Wesleyan. The following honors and awards are among those presented to Wesleyan students who have distinguished themselves during the academic year:

Outstanding Seniors
Sheridan Watson Bell Religious Life Influence Award
Pamela Thorn Memorial Humanities Scholarship
Senior Activity Keys
International Student Ambassador
Senator Jennings Randolph Scholarship
Academic Departmental Recognitions
Phi Kappa Phi Recognition
Sam Ross Scholar-Athlete Award
Alpha Lambda Delta Scholastic Honors
Who's Who Among Students in American Colleges and Universities
Wesleyan Spirit Awards
William B. Hatfield Fine Arts Award

Student Services

The Student Development staff is dedicated to enabling the student to achieve personal development. The staff believes that social

maturity and value development are important aspects of the institutional mission and integral to the student's intellectual attainment. The staff coordinates various services primarily related to student activities outside the classroom. The services include the cultural and religious development of students; career services and placement, minority and international student programming, personal counseling and assessment; housing of students and residence hall programs; campus activity programming; health, wellness and medical programs; and campus safety. The Office of Academic Advising offers ongoing guidance, special seminars for freshmen that emphasize techniques for achieving academic success, and support programs for special-needs students.

Orientation

The orientation program is especially designed to assist freshmen in making a successful transition from high school to college, and to assist transfer students in making a satisfactory adjustment to a new environment. This program includes opportunities for all new students and parents to meet student leaders, faculty, and administrators of the College. The program also includes general information, academic advising, counseling, registration for classes, and time for purchasing books and supplies. All new students are expected to attend the orientation session. (See Calendar for dates.)

All freshman students participate in CORE (Campus Organization Resource Expert), an advising program that involves specially selected faculty and upperclass student leaders to help new students use experiences in and out of the classsroom to achieve success and meet their goals. In support of the CORE program, an eight-week, one-credit course, "College Survival," is required for freshmen and addresses such topics as academic and career skills, cultural diversity, wellness, values and integrity, decision-making and College policy.

Counseling Services

West Virginia Wesleyan College is concerned that every student has the opportunity to receive the maximum benefits from the collegiate experience. To realize this goal, the objectives of the Counseling and Wellness Center are to assist students in resolving personal and educational concerns, developing self-management and interpersonal skills, and developing ways to improve their well-being. A variety of services is offered to make these objectives possible, including individual and group counseling, educational programs and resource materials on a variety of important issues, support groups, and a comprehensive drug prevention program. These services are free and confidential.

If a student needs specialized psychiatric services which are not available on campus, the staff will make an appropriate recommendation or referral.

A brochure listing all services and staff members is distributed annually.

Career Planning

Students are encouraged to begin the process of career planning as early as the freshman year. Experienced advisors help students learn how to plan

effectively for career decision-making and assist students with the assessment of job and career opportunities as related to personal goals, interests, and ability.

A library of career materials, optional vocational guidance testing and interpretation, and a computerized career exploration and decision-making program are offered to interested students. Students may also become acquainted with career services by registering for the one-credit Career Planning Seminar offered each semester.

Internships and Placement

Exploration of opportunities for applied learning through internships on campus, in the local community or in other settings adds to the educational experience. An effort to increase internship possibilities for business and liberal arts students has resulted in many exciting new options. Study abroad is also a growing interest for many students at Wesleyan, and a library of material on international study is available in the Career Services Office.

A comprehensive placement service is provided for seniors and graduates. Seminars are offered to prepare graduates in job search skills, resume writing, and interviewing. Each year opportunities are explored for on-campus interviews with representatives from business, industry, education, graduate and professional schools. Placement credentials are kept on file for ten years from the date of graduation and recorded on microfilm thereafter. It is the student's responsibility to set up a placement file during the senior year. Files may then be updated with a current resume or recent references sent to the Career Services Office.

Learning Center

Designed to serve the entire campus community, the Learning Center provides resources for students of all abilities in a supportive atmosphere. The Center staff assists students in improving their reading, writing, listening, study, and computer skills through formal classes, counseling services, and individualized laboratory programs that use a variety of strategies for improving basic skills.

The staff works closely with other counseling services and academic departments by administering a variety of tests and inventories, and by providing supportive services including tutoring.

The Center also provides a Special Support Program for learning disabled students. Information concerning this program is available from the Office of Admission.

Testing Service

The College provides testing services to assist students seeking course credit by examination, professional certification, and admission to graduate and professional programs.

West Virginia Wesleyan College is an approved testing center for the administration of the American College Test (ACT), National Teacher Examination (NTE), Graduate Record Examination (GRE), Graduate Management Admission Examination (GMAT), College Level Examination Program (CLEP), Miller Analogies Test (MAT), National League for Nursing (NLN) tests and

Preprofessional Skills Test (PPST) for teacher education. Information about these tests and the Wesleyan credit by examination program is available in the Testing Office.

Residential System

Housing

The College is a residential campus housing approximately 85 percent of its students in seven residence halls and a complex of apartments and suites. Full-time students are required to live and board in college residence halls during the regular academic year. Exceptions are those students who live with their parents, married students, and others who, for special reasons, are given written authorization to live off campus upon approval by the Housing Committee.

Individual rooms in the residence halls are furnished with beds, mattresses, desks, dressers, closet space, and window shades. Telephone and TV cable hook-ups are included in the room charge. Students may apply for the capability of making long distance telephone calls.

Each residence hall maintains a lounge, a TV area, and laundry facilities. Small refrigerators and area rugs are available on a rental basis.

College regulations and residence hall guidelines are found in the *West Virginia Wesleyan Student Handbook.* This publication is distributed to all students at the opening of the academic year.

Residence Hall Council provides for student input to improve the quality of residence hall living on campus. The Residence Hall Council is directly concerned with

policy formulation, enforcement, and programming in the areas of food service, housing, and residence life. Officers and representatives are elected yearly; all members must reside in College residence halls.

Food Service

Campus dining is provided in Jenkins Hall, where meals and menus are provided by a contracted professional catering service.

All students residing in the residence halls, except for the Camden Avenue Apartments, must board on campus. Boarding on campus is optional to those students living in off-campus housing.

The snack bar located on the third floor of Benedum Campus Center provides light lunches, refreshments, and snacks during daytime and evening hours. Students have an option of enrolling for a modified meal plan that allows for regular meals to be taken in the snack bar. Specific information about the plan is available in the Student Development Office.

Rules for Living

From its founding and through its developing years, the College has been committed to the basic principles and standards established by The United Methodist Church and its West Virginia Annual Conference, as they relate to learning, social conduct, and cultural and spiritual enrichment.

The College reserves the right, privilege and responsibility for establishing and maintaining institutional ideals, particularly on campus property. These rules and regulations are designed to be in the best interest of students, faculty, staff, and the well-being of the entire college community.

Academic Integrity

A true community requires that all participants share common goals and respect the particular contribution that each member makes toward achieving them.

The common enterprise of a college is learning. Learning is a discipline of the mind, not merely a manipulation of assignments, activities, and information. This process involves interaction with teachers and fellow learners on the one hand and personal reflection and critical inquiry on the other. In all cases, it demands integrity. At Wesleyan, as in all academic communities, claiming another person's work as one's own is a serious offense subject to disciplinary action.

Alcohol and Other Drugs

The College is vitally concerned about the use of alcoholic beverages and other harmful drugs and their potential effect on academic performance and individual and community health. Therefore, the College prohibits illegal use of alcohol and drugs on college property or property used by any recognized student or college group. The specific set of standards related to alcohol and drug use is contained in the *Student Handbook*, and adherence is expected of all students enrolled at Wesleyan. Residence hall staff are in key positions to effectively regulate student conduct in those arenas. The United Methodist Church encourages abstinence from alcohol and illegal drugs and supports educational programs that inform and encourage abstinence. While abstinence may be preferred, the College

acknowledges other choices that students may make with respect to alcohol use and works aggressively to educate students regarding community responsibility and Wesleyan's expectations for all members of the student body.

Social Responsibility

All individuals and/or groups of the West Virginia Wesleyan College community are expected to speak and act with respect for the human dignity of others, both inside and outside the classroom, and in social, recreational, and academic activities either on campus or sponsored by the institution.

West Virginia Wesleyan College will not tolerate any form of harassment or intimidation, including, but not limited to, sexual, racial, religious, or age discrimination. Attitudes of condescension, hostility, role-stereotyping, and sexual or racial innuendo weaken the health of the community and are considered forms of harassment. Wesleyan will not tolerate acts of hazing or the exploitation of individuals or groups. At the same time, the College affirms the principle of academic freedom and prohibits discrimination against individuals or groups because they express different points of view. However, the College also affirms that freedom of expression does not justify violating human dignity.

The College Judicial System

Rationale for Discipline

By applying for and accepting admission to West Virginia

Wesleyan College, students voluntarily become part of a living and learning community which exists in a relationship of mutual respect, honesty, and trust. Each member of the Wesleyan community accepts responsibility to maintain this relationship. It is understood that the opportunity for free inquiry and free expression essential to the educational process can exist effectively only within a system of order which supports it. To maintain such a system of order, each member of the Wesleyan community accepts responsibility for personal actions and adheres to and respects the general regulations of the College as well as the laws of the larger society, including municipal, state, and federal statutes. When individuals fail to accept these responsibilities, the College will impose disciplinary sanctions in order to protect the campus community and to uphold the ideals and standards the College seeks to maintain. Consistent with that purpose, reasonable efforts will be made to support the personal development of those students who are held in violation of College regulations.

Administrative Authority

The Board of Trustees of West Virginia Wesleyan College possesses by legal charter ultimate authority for the institution. The Trustees have entrusted the President of the College with the responsibility and authority to develop and

supervise the operation of the disciplinary function. The President, in turn, has designated the Dean of Student Development as the primary officer in charge of the maintenance and supervision of the judicial process.

Colleges and universities are not expected to develop disciplinary regulations which are written with the scope or precision of a criminal code. Rare occasions may arise when conduct is so inherently dangerous to the individual or to others in the community, or raises a substantial threat to the basic ideals and standards of the College, that extraordinary action not specifically authorized in the rules must be taken.

West Virginia Wesleyan College reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community as well as the right to discipline students if their scholarship proves unsatisfactory or if their conduct substantially undermines the basic ideals and standards the College seeks to maintain. A student who fails in any matter of conduct to conform to these standards may receive a disciplinary warning, be placed on disciplinary probation for a stated period, or if the failure is judged to be sufficiently serious, be suspended or dismissed.

Students and faculty are asked to assume positions of responsibility in the College Judicial System in order that they might contribute their skills and insights to the resolution of disciplinary cases. Final authority in disciplinary matters, however, is vested in the College administration.

The standards and operating procedures of the judicial system are found in the Code of Conduct published in the *Student Handbook*.

Use of Cars

Any student enrolled at Wesleyan may operate a car at West Virginia Wesleyan but is required to register it on a form provided by the College. Every motor vehicle driven by a student must have in force bodily injury and property damage liability insurance. Any student who makes reckless or improper use of a car, fails to register a vehicle properly, or consistently violates traffic standards will lose the privilege of driving while at Wesleyan.

Regulations describing the use of parking areas, restricted zones, time limits, and financial penalties for traffic violations are distributed annually to all students and staff. Traffic regulations and procedures are reviewed periodically by the Student Development Office and Community Council.

Continuing Policy Evaluation

Student life policies are reviewed each year by the residence life staff, the Faculty Campus Life Committee, the Student Life Committee, and the Trustee Council on Student Affairs. These committees routinely explore campus life variables and attempt to create avenues that will enable West Virginia Wesleyan to maintain its ideals, while providing a campus community responsive to the interests and needs of today's students. Members of the campus community and other interested persons are encouraged to express their concerns and share their ideas with the above committees.

Academic Program

Our Commitment

Wesleyan has always valued the individual and has sought to elevate human life through a vision of the nobility of persons in the search for truth, beauty, and justice. It is the whole life of those who join this community that is the interest of the College.

This view acknowledges the rightful place of both the curricular and the co-curricular in the educational process. It respects both individuality and the well-being of the community. It frees the mind from provincialism, and it places human life in the context of stewardship for the earth.

It regards all of the sensibilities of a human being — intellectual, affective, moral, and religious — as significant. And finally, it affirms that the pursuit of truth, beauty, and universal justice transforms life and enhances its very meaning and worth.

These themes and values unite a diverse community of learners that respects the unique contribution that each member makes to the common good.

Academic Advising

Wesleyan takes very seriously its obligation to offer students the information and advice they need in planning their own academic programs. Every student is assigned a faculty advisor to help identify major interests, set appropriate educational goals, and develop plans for achieving them. Education is the responsibility of the learner, but the academic advisor supports the student by offering informed advice and challenging plans that are still being formed. The advisor's "approval" of the student's program of study each semester acknowledges that discussion has taken place and that the student is aware of the consequences of his or her choices.

Academic advising counselors work with students in individual and group settings. Students undecided about a major or career may seek advice, as may those changing majors or pursuing more effective ways of studying or techniques to limit stress or test anxiety.

CORE Advising assists students through their first semester at Wesleyan. Groups of about fifteen students share the expertise of a CORE Advisor and an upperclass student leader. Each student is encouraged to examine and articulate individual goals — not only academic, but also social, cultural, and personal.

Plan of Study

General Studies Curriculum

The General Studies curriculum, as distinguished from specialized education, is designed to add breadth of appreciation and experience to a student's college study. It seeks to continue the life-long process of educating a person toward sensitivity, perceptivity, and constructive citizenship by encouraging the development of skills, attitudes, and habits that equip a person for effective participation and leadership in many diverse social roles. These studies are designed to introduce the student to significant questions common to every age and to the perspectives brought to these questions by various forms of inquiry.

The requirements of the curriculum are distributed across seven broad areas of study and may be met at various stages of a student's four-year program. These studies therefore are not necessarily preliminary to work in a specialized area but may complement and enrich that work.

I. **Religion and Philosophy**
A student will select one course in Religion and one in Philosophy.

II. **Fine Arts, Literature, and Foreign Language**
A student will choose one of the following options:
   A. Three or four courses (at least eight semester hours) including both Fine Arts* and Literature, or
   B. One semester of interdisciplinary Humanities plus one Fine Arts* and one Literature course, or
   C. Two semesters of interdisciplinary Humanities plus one course in either Fine Arts* or Literature, or
   D. A sequence of a Foreign Language at the intermediate level (French 10-11, German 10-11, Spanish 10-11, or Greek 42, 43). 5-6 credits.

III. **Communication**
A student will take both Composition and Fundamentals of Speech Communication. Because other educational experiences are built on these skills, these courses should be taken early in the college program. A grade of C or better in Composition is required for graduation.

IV. **Natural Science and Mathematics**
A student will complete one of the following options:
   A. A sequence of two courses in a Science (with laboratory experience) plus three hours in Mathematics or Computer Science.[1]
   B. A sequence of Mathematics courses (College Algebra-Trigonometry, Calculus I-II or Computer Science 2, 50) plus a Science course with laboratory experience.

V. **Social Sciences**
A student will complete one course in History (either History of Western Civilization II or History of the United States II) and a course from each of two other fields: Sociology, Economics, Government, Psychology, Anthropology and interdisciplinary Social Sciences.

VI. **Health and Physical Education**
A student will complete four semester hours in this department, at least two of which will be activities courses. No more than four activities credits may count toward graduation. Students transferring to the College without Physical Education credit are required to complete one hour for each year or part of a year spent at Wesleyan, the two activities credits coming first.[2]

VII. **International Studies**
A student will complete at least three hours of coursework whose content and focus are directed substantially to the study of a culture or national tradition other than the student's own.[3]

*Three credits of applied Fine Arts study may count as one of the Fine Arts courses.

[1]Physical education majors may combine Physical Education 10, 11 and 12 with one laboratory Science course and one Math or Computer Science course to meet this requirement.
[2]Nursing students are required to earn only the two activities credits. Physical education majors are not required to earn activities credits.
[3]A list of applicable courses is available from each academic advisor.

Majors Offered

The College offers majors in the following fields. Specific course requirements may be found in the section of this catalog entitled Instructional Offerings. Some fields offer special emphases or tracks within the major.

Bachelor of Arts
Art (Studio)
Art Education
Chemistry
Christian Education and Church Leadership
Dramatic Arts
Economics
Education
English
Government
History
International Studies
Music
Philosophy
Philosophy and Religion
Physics
Psychology
Public Relations
Rehabilitation
Religion
Social Science
Sociology
Speech Communication
Speech Communication and Dramatic Arts

Bachelor of Music Education
Music

Bachelor of Science
Biology
Business
Chemistry
Computer Science
Computer Information Science
Engineering Physics
Fashion Merchandising
Human Ecology
Mathematics
Nutrition
Physical Education
Sports Medicine

Bachelor of Science in Nursing
Nursing

A student has the option of declaring a major and a minor or a double major. In the case of a double major, a student must declare a primary major and complete both majors fully.

Contract or Individualized Major

The Contract Major is available to serious students who wish to investigate subjects or interests that cannot be addressed by the courses of a single department. With the assistance of three faculty sponsors, a student may structure a program of 30-45 semester hours of interdepartmental studies with defined objectives and including an integrative senior project. The proposed major must be approved by the Curriculum Committee. Specific guidelines are available in the Office of the Registrar.

Minors

In addition to the minors listed by discipline in the Instructional Offerings section, a student may choose an individualized minor combining related courses from more than one department. Planned in consultation with two faculty advisors and subject to Curriculum Committee approval, such a contract minor should include 9-12 hours in one of the constituent departments and not overlap courses in the major. Students who successfully complete the Honors Program may count that program as an academic minor.

Preprofessional Programs

Lawyers — Pre-Law Studies

The College offers a variety of studies suitable for students interested in legal careers. Since the practice of law allows for a number of variations, it is important to consult with the advising office about majors and electives that best fit the needs of the individual student. Admission to law school depends on performance in the more demanding courses of the curriculum, on leadership qualities, on research skills, and more generally on language competence and general analytical and reasoning abilities measured in part by the Law School Admission Test. Experience shows that History, Government, Philosophy and English are among majors particularly well suited for graduates seeking admission to law school.

As a minimum, pre-law students should take the following: Composition (two semesters), Principles of Accounting I-II, Principles of Economics (two semesters), History (two courses), Political Theory (two semesters), Constitutional Law, and Philosophy (two courses including Logic).

Premedical Studies — Allied Fields

Students planning to seek admission to professional health schools such as schools of medicine, dentistry, optometry, pharmacy, podiatry, and veterinary medicine must demonstrate a strong foundation in the sciences. Students should plan to begin laying this foundation in the freshman year of college and should seek early advice regarding recommended courses of study. Most students in this area of study complete their majors in Chemistry or Biology. Beyond their work in the sciences, successful applicants to professional schools are advised to elect challenging courses in the humanities and social sciences.

Information regarding curricula for these fields and about application to professional schools or for the MCAT (Medical College Aptitude Test) may be obtained from the premedical advisor.

Ministers — Pre-Seminary Studies

The pre-ministerial student planning to enter seminary should follow a program of studies at the College to achieve a broad cultural and intellectual foundation. The American Association of Theological Schools in the United States and Canada suggests that 30 semester courses, or approximately three-fourths of the student's college work, be taken in the following specified areas: (1) English and Speech, including composition, literature, basic speech and related courses — six semesters; (2) History, including ancient, modern European, and American — three semesters; (3) Philosophy — three semesters; (4) Natural Sciences, preferably physics, chemistry, or biology — two semesters; (5) Social Sciences — seven semesters; (6) Foreign Language — four semesters; and (7) Religion — three semesters. Wesleyan also offers courses in Christian Education and Church Leadership as helpful preparation.

The most desirable areas of concentration for the pre-ministerial student are English, Philosophy, History and Religion.

Combination Degree Programs (Institutional Affiliations)

Engineers — A "Four-One" or "Three-Two" Program

(Leading to Bachelor of Science and Bachelor or Master of Science in Engineering Degrees)

West Virginia Wesleyan and the University of Pennsylvania, in Philadelphia, offer cooperatively two programs in liberal arts and engineering.

Students who complete a Bachelor of Science degree in Engineering Physics at Wesleyan and meet admission standards will be admitted to the engineering school of the University of Pennsylvania on a preferential basis. There, they may complete the Master of Science degree in any of eight engineering specialties in one or two years.

As an alternative, students may elect a "three-two" curriculum in which they devote the first three years in residence at West Virginia Wesleyan to a carefully planned program of study in the liberal arts and sciences which are basic to engineering. If they meet the admission standards, they spend the last two years in residence at the University of Pennsylvania completing the program in their chosen field of engineering.

Upon satisfactory completion of the fourth year of the program, the students are eligible to receive the Bachelor of Science degree from Wesleyan, and upon satisfactory completion of the fifth year, they are awarded a Bachelor of Science degree in their chosen field from the University of Pennsylvania.

Engineering options available at the University of Pennsylvania include Chemical and Biochemical; Civil and Urban; Mechanical and Applied Science; Metallurgy and Applied Science; Bioengineering; Computer and Information Science; Electrical; and Systems.

A four-one program leading to a Master of Science degree in Aeronautical Engineering is offered in conjunction with Langley-NASA Research Center. Students complete a Bachelor of Science degree at Wesleyan with a major in Engineering Physics modified as follows: Add Physics-Engineering 37 (Fluid Mechanics), Physics and Engineering 88 (Heat Transfer), and Computer Science 85 (Numerical Methods); elect Physics-Engineering 38 (Engineering Thermodynamics) rather than Chemistry 45 (Physical Chemistry). Those achieving a 3.0 or better GPA may earn an M.S. degree after one year of study at NASA-Langley Research Center. This program is administered by the Joint Institute for Advancement of Flight Sciences.

Foresters and Environmental Scientists — A "Three-Two" Program

(Leading to Bachelor of Science and Master of Forestry or Master of Environmental Management Degrees)

West Virginia Wesleyan and the Duke University School of the Environment offer cooperatively a ten-semester curriculum in Liberal Arts and Forestry or Environmental Studies. Students who elect to pursue this curriculum will devote the first three years in residence at Wesleyan to a carefully planned program of studies in the liberal arts and sciences, and the last two years in residence at Duke University where they will pursue a professional curriculum of their choice in either Forestry or Environmental Studies.

Upon satisfactory completion of the fourth year of this coordinated course of study meeting all general studies and biology major requirements, the student is awarded the Bachelor of Science degree by West Virginia Wesleyan. Upon satisfactory completion of two additional semesters, the student is awarded the professional degree of Master of Forestry or Master of Environmental Management by the Duke University School of the Environment. For more information contact an advisor in Biology.

January Term

During the January Term, students at Wesleyan devote themselves to the concentrated study of one primary course. The focused efforts of both students and faculty allow for more intensive concentration and greater flexibility in scheduling of class meetings or in teaching methods. It is an excellent time for arranging field experiences, internships, or travel courses.

Offerings include innovative special courses as well as courses meeting requirements for general studies, majors, and minors. A number of students arrange independent study or job-related learning experiences through learning contracts. A special course catalog for this term is published each year.

Study Abroad

Wesleyan encourages students to explore the possibilities of study abroad and maintains exchange programs with universities in Korea, the People's Republic of China, Norway, and Bulgaria. The international study experience is open to students in any area of study. A wide variety of academic, language, travel, and cultural experiences is available by working through both international and American institutions for a summer, a January Term, a semester, or a full year of study. Academic credit from approved programs is readily transferable toward a Wesleyan degree.

Many foreign programs provide broad curricular offerings taught in English, as well as instruction in the language of that country. Others concentrate on language studies, beginning at the introductory level. Courses most frequently emphasize the history, culture, and contemporary political/economic issues in that country. However, it is usually possible to select alternative courses ranging across the liberal arts spectrum. International internship programs are also available, in which students earn credit by acquiring hands-on experience in foreign workplace settings linked to their career interests.

Students considering an international experience should contact the Study Abroad Office and begin to plan for program selection, financial arrangements, and course approval.

The Honors Program

The Honors Program is offered for superior students who are willing to commit themselves to an endeavor that affirms the highest ideals of a liberal arts education. This affirmation shall include academic excellence in all work, including foreign language, literature and the arts of a common Western heritage, natural science and mathematics, and interpreting the contemporary world in light of our highest social values.

Requirement for Admission to Honors Program

Entering freshmen: high school cumulative grade point average of 3.5 *and* 1120 SAT score *or* 26 ACT score; or successful application to the Honors Committee.
Second-semester freshmen: 3.4 cumulative grade point average in the first semester at Wesleyan.
Sophomores and juniors: cumulative grade point average of 3.4.

Any student who has earned a cumulative grade point average of 3.2 or who applies successfully to the Honors Committee is eligible to enroll in Honors classes, but enrollment is always contingent upon meeting prerequisites for particular courses or obtaining professors' permission to enroll.

Requirement for Graduation as Honors Student

I. **World Masterpieces**
The student will complete Early Classics of Western Literature and Modern World Literature, a sequence of Honors courses. Three hours of the completed sequence may fulfill the General Studies Composition requirement.

II. **Foreign Language**
The student will complete a sequence of Foreign Language at the intermediate level.

III. **Western Civilization**
The student will complete Western Civilization I and II.

IV. **Fine Arts**
The student will complete one course in Art, Music, or Drama. If it is an Honors course, it will fulfill an Honors Elective requirement.

V. **Honors Electives**
The student will complete four Honors Elective courses (at least twelve hours), of which one shall be in Mathematics or Science, one shall be in Social Science, and one shall be an approved International Studies course. One course might fulfill both the Social Science and International Studies Honors Elective requirements.

VI. **Honors Seminar**
The student will complete two to four one-hour Honors Seminars.

VII. **Senior Honors Paper**
The student will write a senior research paper, which must be approved by the Director of the Honors Program and graded by a faculty member agreed upon by the student and the Director of the Honors Program. The student may earn one to three hours of credit through contract learning to research and write the paper, which may be the same as required by the student's academic major. The paper will be presented in seminar to Honors Faculty and Students in the senior year and must earn a grade of A or B.

Students who complete all Honors Program requirements with at least six hours of A and who meet West Virginia Wesleyan College graduation requirements with a cumulative grade point average of 3.5 or better, will be termed *Honors Program Graduates* and will be eligible to graduate with an Honors Program minor. No other minor will be required.

Most Honors Program course requirements will also fulfill Wesleyan general studies, major or departmental minor requirements. Additional information on the program is available from the Director.

Outreach Education

Outreach Education is an academic extension of West Virginia Wesleyan College, offering credited college-level courses, most on audio- or video-cassette tape. Outreach courses are regular Wesleyan courses developed for persons who for financial, geographic, or personal reasons prefer not to attend regular campus classes. Some of these courses are available to matriculated Wesleyan students as well.

Outreach courses are economical, accredited, and transferable. They are prepared in accordance with Wesleyan's standards of academic quality and taught or supervised by Wesleyan faculty. The enrollee receives a course package containing lectures on cassette tape, student manual, texts, and other support material. The student works independently through a semester, communicating with the instructor through the mail and by telephone.

A complete listing of courses available through the Outreach Education program is available from the program office.

How To Graduate

Degrees Awarded

West Virginia Wesleyan College confers five academic degrees: **Bachelor of Arts** (B.A.), **Bachelor of Music Education** (B.M.E.), **Bachelor of Science** (B.S.), **Bachelor of Science in Nursing** (B.S.N.), and **Master of Business Administration** (M.B.A.). The degree granted is determined by the choice of major, as listed on page 47.

For those students pursuing individualized programs, the appropriate degree (from those listed above) will be granted according to the content of the student's program.

Degrees With Distinction

Students who earn at least 64 hours through regularly enrolled study at West Virginia Wesleyan and who complete all baccalaureate degree requirements with a scholarship quotient of 3.50 to 3.69 on both total record and credits earned at Wesleyan will be graduated *cum laude*; those who complete all such requirements with a scholarship quotient of 3.70 to 3.89 on both total record and credits earned at Wesleyan will be graduated *magna cum laude*; and those who complete all such requirements with a scholarship quotient of 3.90 on both Wesleyan and total records will be graduated *summa cum laude*.

Commencement

The Commencement ceremony is held at the end of the spring semester each year. All students who completed degree requirements during the previous summer and winter as well as May graduates are awarded degrees during the program. Qualified undergraduate students who expect to complete degree requirements during the ensuing summer may make application to the Dean of the College for permission to participate early in Commencement. Guidelines for participation are available in the Academic Affairs Office.

Requirements for Graduation

In order to qualify for a Bachelor of Arts, Bachelor of Music Education, Bachelor of Science in Nursing, or Bachelor of Science degree, all students must:

1) Earn a minimum of 128 semester hours of credit, at least 32 of which must be earned in residence;

2) Complete General Studies requirements plus a major and, except when specifically excluded, a minor or second major field of study;
3) Achieve a "C" average (2.00 grade point average) in all college work attempted, in all college work attempted at Wesleyan, in each major and minor field of study, and in Composition.

Notes:

Except in specifically approved majors, a maximum of 45 credit hours in an academic discipline may be counted toward the 128 credit hours required for graduation.

No more than seven hours of developmental course credits may be counted toward the 128 credit hours required for graduation.

At least 24 of the last 32 semester hours of credit before graduation or entrance into an officially established cooperative program for the senior year must be earned in residence.

Requirements for the Master of Business Administration degree are found on page 110.

Students should be thoroughly familiar with and must assume responsibility for meeting degree requirements.

Accelerated Program

The College affords students an opportunity to complete their studies in a shorter time by offering two fourteen-week semesters, a short term, and three summer terms annually. This makes it possible for a student to earn from 44 to 48 semester hours of credit per year and to complete most degree programs in three years or less. Under this program an exceptionally capable student may increase his or her semester load by one or two semester hours beyond the normal study load. (See Course Load.)

The accelerated program is equivalent in every respect to the regular four-year program. For highly structured academic programs, careful planning of course sequences is essential.

Semester Hours

A semester is a fourteen-week term. In general, a course meeting one hour per week for one semester carries one semester hour of credit; a course meeting two hours per week for one semester, two semester hours, etc. Summer and January Term classes meet more frequently over shorter periods of time to achieve the same number of classroom hours.

Necessary Examinations

Some majors require a Comprehensive Examination or other method providing proper final academic evaluation of the student. The results of such evaluations are recorded on the student's permanent record.

For purposes of institutional program review, students may be required to participate in a national examination such as the College Outcome Measures Program. Some individual departments also require assessment exams of their graduates.

Application for Degree

At least twelve months prior to anticipated completion of degree requirements, each candidate for a degree is required to file an application for a degree at the Office of the Registrar. This makes it possible to check requirements still to be met while there is still time to make appropriate adjustments. A charge of $20 is made for failure to comply with this regulation. Such failure may also result in postponement of graduation.

Contract Studies

The learning contract is a means of individualized instruction whereby the student enters into a written agreement with one or more faculty members to achieve specific educational objectives for academic credit. The contract objectives may be limited as those achieved in a single course, or they may be extensive as those achieved in a semester or more. The student and faculty member agree on the ways the student will achieve the objectives, which may include attending classes, independent study, curriculum-related employment, travel, field experience, internships, or any other activities realistically designed to bring the student desired results. The student and the faculty member also agree on the means of evaluating the student's accomplishments and determining a grade. The student may use the learning contract to gain knowledge and skill in an area or career field not covered by the regular curriculum of the College.

A learning contract, developed by the student and faculty sponsor, is forwarded to the Registrar's Office for review and approval. The contract must be made prior to registration to be part of the student's registration for that term. The student must register in order to receive credit. To participate in contract learning, a student must be a second semester sophomore in good standing (2.0 average). A maximum of 27 semester hours of credit may be earned in this way.

Academic Policies

Academic Integrity

See policy under **Rules for Living**, page 40.

Registration

When to register

All students must register at the beginning of each semester or summer term in accordance with the dates designated in the college calendar.

Students in residence during any semester or summer term preregister for the ensuing semester and/or summer term on dates designated. It is essential that preregistration be completed in order that provision may be made for faculty scheduling, class sectioning, textbooks, and laboratory materials. A charge of $20 will be made for failure to preregister on dates designated.

Changes in registration

Course changes can be made only with the approval of the Registrar. In order to minimize changes, students should consult their advisor, the course instructor, or, if necessary, the Department Chair before registering.

No changes in registration involving addition of new courses may be made after the fifth day of classes in any semester, or after the first two days of classes in any summer term (of four weeks). (See Withdrawal from Courses in this section.)

Late registration

Except in cases of unavoidable delay, late registration is strongly discouraged and entails a $20 charge. Students who enroll late may be required to reduce the number of hours for which they register, unless excused by the Committee on Admission and Academic Standing.

Classification

Students who have met all entrance requirements and completed registration become freshmen; those who have earned 32 semester hours of credit become sophomores; those who have earned 64 semester hours of credit become juniors; and those who have earned 96 semester hours of credit become seniors.

(For some purposes years of enrollment may be used to assign informal social classification.)

Course Load

Full-time tuition entitles a student to register for a maximum of sixteen credit hours per semester. A normal load is fifteen hours; the minimum full-time load is twelve hours. Students may enroll in a seventeenth hour with payment of an overload fee. Those who wish to enroll in more than seventeen hours in a semester (or seven hours in any one summer term) must have sophomore standing, a minimum grade point average of 2.75, and the approval of the Dean of the College. An overload fee is charged. Students who are working part time, or who are failing to maintain a satisfactory scholastic record, are advised to carry a lighter load. The Committee on Admission and Academic Standing may require the academically weak student to lighten his load.

Grade Point Average

A student's grade point average (GPA) is computed by dividing the total number of quality points earned by the total number of semester hours for which the student has registered. Courses from which the student has withdrawn officially, courses in process, and courses in which a grade of "Pass" was earned are not included in this computation.

Grades and Quality Points

In order to remain in good standing, students must maintain a cumulative grade point average of at least "C" (2.00). In order to graduate, students must in addition achieve a "C" average in courses undertaken at West Virginia Wesleyan College and in their major and minor fields.

Grades	Explanation	Quality Points (per cr. hr.)
A	Excellent	4
B	Good	3
C	Average	2
P	Pass	0
D	Poor	1
F	Failure	0
I	Incomplete	0
W	Withdrawal	0
FW	Irregular Withdrawal	0

Grades of P, I and W are not included in grade point average calculation.

If a student who has been making a passing grade cannot complete work in a course because of illness or other sufficient reason, an I (incomplete) is entered temporarily on the record. A course recorded as incomplete must be completed within the first six weeks of the next regular semester (or summer school session, in the case of a spring semester course), except when an extension of time is granted by the Committee on Admission and Academic Standing. Otherwise, the I automatically becomes an F or such other grade as the instructor assigns based on work completed.

Pass/Fail Courses

A junior or senior student may choose to take one elective course each semester to be graded on a Pass/Fail basis with the approval of the instructor, faculty advisor, and Registrar. The student may not use this option for courses required for general studies or in the major or minor. The Pass or Fail will be entered on the student's permanent record. Courses for which a Pass is earned will fulfill hour requirements but will not affect the grade point average (GPA).

This option is extended to all students in January Term elective courses.

Dean's List

Superior scholarship is encouraged and recognized by the publication of the Dean's List at the end of each semester. This list includes students who have achieved a grade point average of 3.35 or above for the semester, while carrying a load of at least 12 semester hours. For purposes of qualifying for the Dean's List, a full summer session will be treated as a semester.

Attendance Requirements

Each student is expected to attend classes and laboratory sessions. Missing a substantial portion of any class or laboratory session constitutes an absence. Missing sessions because of late registration constitutes absences. Each faculty member is free to establish attendance policies that penalize students for classes missed.

A student who in the judgment of the Committee on Admission and Academic Standing has been grossly negligent in class attendance shall be subject to disciplinary action.

The Dean of Student Development periodically notifies faculty of those students whose absences are reported to be due to illness, personal emergencies, or official college business.

Withdrawal from Courses

A student will be permitted to withdraw from a course only during the period designated in the academic calendar. Unless otherwise specified, the final date for withdrawal from a course of less than a semester's duration will be the midpoint of that course. In order to withdraw from a course, a student must complete the withdrawal form available in the Office of the Registrar.

If the student is granted permission to withdraw, a W (Withdrawal) is entered on the record. If a student discontinues a course after the specified date for withdrawal and/or without permission of the Dean of the College, FW (Failure, Irregular Withdrawal) is entered on the record.

Courses Repeated

A course in which the final grade is D or F may be repeated at Wesleyan. When a course is repeated, both the original grade and the grade in the repeated course shall appear on the permanent record; the first grade will be ignored when computing the student's grade point average (unless it was a D followed by an F, in which case both count until followed by a passing grade). For students in teacher education, state regulations limit the application of this policy to courses in which a D or F was earned no later than the semester in which the sixtieth semester hour was attempted.

If for any reason a student repeats a course in which a grade higher than D has been received, both grades will be included in the grade point average. However, duplicate hours of credit will not be counted for any course except those designed for incremental learning (e.g., applied music).

Unsatisfactory Progress

Academic Warning

Students with fewer than 25 earned hours and a cumulative grade point average of 1.75-1.99 at the end of any semester will be placed on academic warning for the next semester of attendance. Both students and their parents will be notified.

While students are on academic warning, they may be ineligible for institutional financial aid.

Academic Probation

A student with 25 or more earned hours who fails in any semester to maintain an overall grade point average of 2.00 or above will be placed on academic probation. A student with fewer than 25 earned hours and a grade point average below 1.75 will also be placed on academic probation. All such students will remain on academic probation until they have attained the required cumulative grade point average.

A student on academic probation who fails during one semester of probation to attain the required grade point average or make satisfactory progress toward a degree may be dismissed because of poor scholarship. A student dismissed for academic purposes may apply for readmission, and, with evidence of academic progress, may be admitted two semesters after dismissal. (One complete series of summer terms counts as one semester.)

Students on academic probation may be removed from participation in extra-curricular organizations. In the case of departmental organizations, standards for participation are set by the organizations themselves. For participation in intercollegiate athletics, a student must meet the eligibility requirements of the National Association of Intercollegiate Athletics and the National Collegiate Athletic Association and may not be on academic probation.

Suspension and Withdrawal

Students who incur an excessively large number of absences from any course(s), or who are otherwise grossly negligent of their studies, may be suspended from the course(s) involved, or from all courses, by the Committee on Admission and Academic Standing, or may be permanently dismissed by the committee. Suspended or discontinued students shall have "F" entered on their permanent records for the courses involved.

West Virginia Wesleyan College reserves the right to require students to withdraw, if their scholarship proves unsatisfactory, or if their presence in any way jeopardizes the ideals and standards the College seeks to maintain.

Academic Credit

Credit by Examination

The College makes available to students a program of credit by examination. Students must be enrolled at Wesleyan to take advantage of credit by examination opportunities.

Students who take the College Board Advanced Placement Program examinations and achieve a score of three or higher may be granted credit in the appropriate course(s) upon enrollment at Wesleyan.

The College participates in the College Level Examination Program (CLEP). Students may receive credit through the general examinations when the student achieves the passing score set by Wesleyan. Thirty CLEP subject examinations are also available in courses of a general college nature.

Students desiring to establish credit by examination in courses which are not available through CLEP may do so by taking institutionally prepared tests and receiving at least an average grade ("C") as determined by the faculty.

Fees for all credit by examination are $70 for each examination (fees are not refundable). Duplicate credit by examination and/or regularly earned college credit will not be granted. Students may not take examinations for courses previously attempted in the classroom.

Students of exceptional ability or any students who have had extensive high school preparation in a given area are encouraged to take advantage of credit by examination. Interested persons should consult the Testing Supervisor.

Credit for Professional Studies

A student who has completed three years of a "three-two" curriculum in engineering or forestry at West Virginia Wesleyan, as outlined in this Catalog, may substitute successful completion of the fourth year of such a program for the remaining number of credits required for a degree.

A student who has completed a minimum of 96 semester hours may, with the prior permission of the Committee on Admission and Academic Standing, enter an accredited professional school, and transfer back to West Virginia Wesleyan enough credits in subjects approved by the committee to complete the total number of credits required for a degree — provided the student has met fully all other degree requirements.

Credit for Educational Experience in Armed Services

The College may grant appropriate credit, as recommended in *The Guide to the Evaluation of Educational Experiences in the Armed Services*, and as modified or superseded by later recommendations of the Commission on Educational Credit of the American Council on Education, to students who either submit satisfactory documentary evidence (e.g. DD 214), or demonstrate on such tests as the College may prescribe that they have achieved, through educational experience in the armed services, a satisfactory degree of mastery of any subject for which the College regularly gives credit.

In granting credit under these regulations, no duplication of credit will be allowed, and no fractional credits will be granted.

Credit in physical education may be allowed for educational experience in the armed services only when the applicant has completed twelve continuous months of active military service.

Credit for educational experience gained in the armed services will be recorded only for persons who are currently enrolled as students in the College.

Interested persons should consult the Registrar.

Credit for Noncollegiate Study

The College may grant credit, as recommended in *The National Guide to Credit Recommendations for Noncollegiate Courses* of the American Council on Education, for the study of subjects in other than college settings which are consistent with the curricular program of Wesleyan. Such credit will be recorded only for persons enrolled in a degree program at the College. Inquiry should be made with the Registrar.

Grade Reports

At the end of each semester and at the end of each summer term, the College issues a report of each student's grades. Midterm reports are sent to students whose academic work is evaluated as deficient.

This report is mailed to the designated parent or guardian except for students formally identified as having independent status.

Complete grade reports are not printed at the end of January Term, but students receive final grade notices in their campus boxes.

Auditing

A person desiring to audit a course must obtain permission from the Dean of the College, register as an auditor, and pay the auditor's instructional charge for the course. (See Auditors in Expenses and Student Aid section.) A full-time student may audit a course without having to pay the audit fee if the audited course does not create an overload.

Auditors take no examinations, submit no written work, do no laboratory work, and receive no credit for courses audited.

Instructional Offerings

Divisional Offerings

Academic departments at Wesleyan are organized on a divisional basis in order to promote and coordinate interdisciplinary study.

Division I Humanities

Chairperson
A. Holmes

Disciplines
- Art
- Christian Education and Church Leadership
- Communication and Dramatic Arts
- English
- Modern Languages
- Music
- Philosophy
- Religion

1, 2. Humanities. Each 3 hrs.

An interdisciplinary experience that explores the value and worth of the humanities in the life of theindividual. In an integrated way each student encounters the creative arts (music, art, drama) as well as the more traditional humanities (literature, philosophy, etc.). The course brings together faculty from many disciplines and emphasizes individual expression in group discussion.

26. Literature in the Oral Tradition. 3 hrs.

A study of oral literary expression with a goal of improving literary awareness and personal self expression. Includes an analysis of oral literary genres and styles and introduces techniques to permit students to adapt and create stories for personal or professional use. Of particular relevance to those interested in teaching, ministry, communications and literature. *Counts as Fine Arts credit for General Studies.*

Division II Physical and Biological Sciences

Chairperson
Colson

Disciplines
- Biology
- Chemistry
- Mathematics and Computer Science
- Nursing
- Physics and Engineering

51. Cultural Roots in Health Beliefs. 3 hrs.

Responses to health and illness in various cultural, ethnic and religious groups, including the student's own perception of culture and health beliefs. Cultural responses and barriers to health care. Cultures considered include Appalachian, Asian, African American, Hispanic and Native American.

Division III Social Sciences

Chairperson
R. Rupp

Disciplines
- Government
- History
- Psychology
- Sociology and Anthropology

3. Social Science for Education. 3 hrs.

Introduction to the perspective, basic ideas and tools of the social sciences. Specific social issues analyzed using an approach which integrates data and perspectives of history, geography, anthropology, psychology, sociology, economics and political science. *Enrollment limited to elementary education majors.*

38. World Geography. **3 hrs.**
An introductory study of world regions focusing on individual countries and areas. Course content draws on physical and cultural elements that assist the student in interpreting the living conditions and actions of humankind in diverse parts of the world.

Division IV
Applied Arts and Sciences

Chairperson
Crutchfield

Disciplines
Business and Economics
Education
Human Ecology
Library Science
Physical Education and Health

30. Career Planning. **1 hr.**
A course designed primarily for freshmen and "undecided" students. Participants identify and evaluate their interests, skills, and career options through a series of interactive exercises and guided workshops. (Pass/Fail basis) Counts as developmental credits.

31. Job Search for Seniors. **1 hr.**
Seniors prepare to "market" themselves through the development of applied skills in resume and cover letter writing, employer research, and job search techniques. Intensive interviewing practice includes video-taped interviews for self-critique. Counts as developmental credits.

Learning Center Courses

Students receiving credit for 5 may not enroll in 6, and vice versa. *A maximum of seven developmental credits, which includes all Learning Center credits, may count toward graduation.*

5. Reading and Study Development. **2 hrs.**
A course designed to teach students skills and strategies to become independent learners. Using classroom and lab settings, the course deals with areas such as understanding and learning from textbooks and lectures; effective techniques of preparing for exams; time management; the roles of motivation, interest and learning styles; and improving comprehension, vocabulary, reading rate, visual thinking and memory. Counts as developmental credits.

6. Techniques of Study. **1 hr.**
An introductory six-week course designed to help students develop study skills and a systematic approach to learning, with emphasis on application in current courses. Counts as developmental credits.

7. Techniques of Reading. **1 hr.**
A six-week course to develop strategies which enhance understanding and remembering written material with an emphasis on practice to develop an effective and flexible reading rate. Counts as developmental credits.

8. Reading and Study Development Laboratory Practicum. **1-2 hrs.**
An individualized program or small group experience. Students can work independently to build skills in studying, reading, writing, math or to prepare for graduate school exams. Group sessions deal with personal computers, test taking, time management, visual thinking, writing techniques. *Prerequisite:* 5, 6 or 7 or permission from a Learning Center staff member for individualized programs; none for group sessions. Counts as developmental credits.

9. Foundations of Composition. **3 hrs.**
A course to improve writing skills through study of parts of speech, basic grammar and usage, sentence construction and paragraphing. *Prerequisite:* Permission of instructor. Counts as developmental credits.

Departmental Offerings

Anthropology

See Sociology and Anthropology for description of minor program.

Art

Keegan, A. Berry, W. Oldaker, Rhoads

The art program is designed to develop a knowledge of basic aesthetic elements and provide the opportunity to develop creative potential. Emphasis is placed on the training and development of the student's individual talents in such areas as painting, drawing, ceramics, printmaking, and sculpture. A studio atmosphere encourages participation and discussion among students and teachers. The program of study gives students a wide range of ideas and insights that will enable them to fit their interests into a context relevant to the world around them.

The curriculum is designed to fulfill the needs of the liberal arts student with an incidental interest in art as well as the visual arts major who is interested in a professional career in art.

A student preparing to teach art supplements studio training with education courses, including special methods and practice teaching.

Students interested in pursuing a professional career in art are encouraged to seek out off-campus internships or apprenticeships to supplement their formal course work.

The exhibitions and programs with visiting artists in the Sleeth Art Gallery are major learning and teaching resources for the students and faculty in the art program. In addition to the active schedule of exhibits brought in from off campus, time is reserved each year for an exhibition of work drawn from all of the art classes, and all seniors are required to present a show of their work under the supervision of the faculty.

All students intending to major in art will present a portfolio for review by the faculty, for advising purposes, after completion of nine hours of work in the department. Entering freshmen are not required to submit a portfolio, but it is recommended that they do so. Those wishing to be considered for a Fine Arts Grant should contact the department chairperson early in the junior or senior year of high school; they will be expected to submit a slide portfolio of at least ten examples of their work.

Requirements for Major in Studio Art:

39 semester hours, including 2, 3, 5, 6, 23, 24, 48, 49, plus 18 hours of art electives, including both two- and three-dimensional course work, with a 12-hour concentration in one medium and 6 hours in a second medium.

Students interested in pursuing graduate study in non-studio areas such as art history, art therapy, arts administration, or computer graphics should meet with the department chairperson as early as possible to construct an appropriate undergraduate program. Such students interested in art history should elect French or German.

Requirements for Major in Art Education:

40 semester hours in art, including 2, 4, 5, 6, 7, 8, 9, 10, 23, 24, 31 and seven hours of electives from 1, 3, 12, 15, 18, 19, 21, and contract study; plus professional education courses required for teacher education program (see Education).

Requirements for Minor:

24 semester hours, including 2, 3, 5, 6, 23, 24; plus 8, 9 (painting), or six hours of work in one other studio area.

1. The Visual Experience. 3 hrs.
An introductory course designed to aid students in their own appreciation of art, by providing a basis for aesthetic judgment. Great works of art, illustrative of historical styles of architecture, sculpture, and painting, are studied with attention to line, form, space, and color. Illustrated by slides, reproductions, and when possible, original works of art.

2, 3. Basic Drawing I, II. Each 3 hrs.
Introduction to fundamentals of drawing. Analysis and rendering of line, form, value, texture, and color through use of various media. Principles of balance, proportion, rhythm, and unity. Students who have not completed Art 2 must have permission of the instructor before entering Art 3, which is a continuation.

4. Beginning Ceramics. 3 hrs.
An introduction to high and low fire ceramic media. Ceramics as a traditional craft form, relating to the creation of functional objects, and as a contemporary art form dealing with hand-built forms. Fundamental techniques of decorating, glazing, and firing.

5, 6. Design Fundamentals I, II. Each 3 hrs.
Introduction to a study of the elements of design, applicable to all problems of visual expression. Comprehensive consideration of the principles of color and composition. Experimentation and practice in the problems related to both two- and three-dimensional design. Students who have not completed Art 5 must have permission of the instructor before entering Art 6, which is a continuation. *Offered in alternate years.*

7. Methods of Teaching Elementary Art. 2 hrs.
A course designed to introduce students to the purposes/goals of art education for children. Emphasis will be given to learning to look, feel, and talk about art. Curriculum study, which includes the planning and development of an art matrix, the effects of various compositional elements within a work of art, and characteristics of children's art at a given developmental stage. Limited experimentation with basic art media and materials using inexpensive and collected art resources. Does not apply toward General Studies Fine Arts requirement.

8, 9. Painting I, II. Each 3 hrs.
Introduction to painting. Comprehensive consideration of the principles of design and color and their application to pictorial composition. Experimentation in various media. 9 is a continuation of 8; students who have not completed 8 must have permission of the instructor.

10. Sculpture. 3 hrs.
Introduction to the principles of achieving expressive form in the round and in the relief. Relationships of line, value, texture, and color to the sculptural form. Media include clay, plaster, plastiline, wood, metal, and various other materials. *May be repeated for credit. Offered in alternate years.*

12. Advanced Ceramics. 3 hrs.
Continuation of Art 4. Consideration of complex hand-built forms and techniques of wheel-forming. Study of basic glaze chemistry and body formulation, advanced decorating techniques, and various firing methods. Emphasis on experimental techniques and individual creative expression. *Prerequisite:* Art 4. *May be repeated for credit.*

13. Advanced Drawing. 3 hrs.
The drawing considered as an art form with experiments in the emotional quality of drawing. Emphasis on quality and the development of a personal creative expression. *Prerequisites:* Art 2, 3 or the equivalent. *May be repeated for credit.*

15. Art in America. 3 hrs.
A survey course restricted in scope to a view of the principal American artists and their contributions to our western cultural heritage. Emphasis upon the major fields of architecture and painting from American colonial art to the art of contemporary America. Primarily a lecture course with visual aids. *Offered in alternate years.*

18. Modern European Art. 3 hrs.
Appreciation of modern European art through a concise account of the movements which constitute the extremely complex change that has taken place in the art of painting, sculpture, and architecture during the past half-century. Primarily a lecture course illustrated by slides, reproductions, and when possible, original works of art. *Offered in alternate years.*

19, 20. Painting III, IV: Advanced. Each 3 hrs.
Intensive investigation of composition and technique in painting with emphasis on the development of individual style. Student may work in various media. 20 is a continuation of 19; students who have not completed 19 must have permission of the instructor. *Prerequisites:* Art 2, 3, 8, 9, or the equivalent. *Either may be repeated for credit.*

21. Printmaking. 3 hrs.
Emphasis is placed on the fundamentals of serigraph and related graphic processes. Areas studied will include photographic, cut film, and various stencil techniques. Intaglio processes (soft and hard ground etching, drypoint, aquatint, engraving, etc.) may be utilized in some semesters. *Prerequisites:* Art 2, 3, 5, 6. *May be repeated for credit.*

23. Survey of Art I: Ancient and Medieval. 3 hrs.
Historical study of architecture, sculpture, painting, and the minor arts of the western world. Art is presented as an objectification and record of man's major beliefs and ideas. *Offered in alternate years.*

24. Survey of Art II: Renaissance and Modern. 3 hrs.
Continuation of 23. *Offered in alternate years.*

27. Creative Art Workshop. 3 hrs.
An introduction to the fundamentals of the studio art. Experimentation in various media including charcoal, pen, pencil, pastel, acrylic, collage and mixed media. Open to non-art majors only. May not be counted toward art major or minor requirements.

31. Methods of Teaching Art (Grades 5-12). 4 hrs.
Field study and observation in the public schools. Factors determining a secondary program, such as geographical area, facilities, attitudes, scheduling. Curriculum study; sequential planning through the total school program K-12. Sensitivity and skill development in description, analysis and evaluation of art forms. *Prerequisites:* Art 7 and senior standing (prior to student teaching).

48. Studio Seminar. 2 hrs.
A study of historical, critical, and technical issues relevant to the student's major field of interest, including an examination of different approaches to art and the articulation of a personal point of view about art and artistic activity. Open only to seniors in the department. *Offered in spring semester.*

49. Exhibition and Portfolio. 1 hr.
Preparation of a professional quality portfolio of examples of the student's work; preparation and presentation of an exhibition of work in the gallery. Must be completed during the senior year. *Offered in spring semester.*

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Biology

Gregg, Colson, Kearns, McCormick

The objectives of this major are (1) to provide students with broad exposure to the basic fields of biology; (2) to prepare students for graduate studies in zoology, botany, and microbiology; (3) to provide preprofessional training for future students of medicine, dentistry, optometry, veterinary science, and forestry; (4) to provide training for students choosing biology as a teaching field; and (5) to give students a solid background for careers in diverse fields such as environmental science, pharmaceutical sales, laboratory technology, and horticulture.

Requirements for Major:

29 semester hours, including 1, 2, 3, 14, 32, and 42. In addition, students must take either the combination of Biology 11 and 12 or Biology 13, and either Biology 34 or 36.

Majors must take Chemistry 1 and 2 in their freshman or sophomore year. Chemistry 21 and 22 are recommended. Majors must also take either Mathematics 10 or 20.

Requirements for Minor:

15-16 semester hours of courses applicable toward the major, including Biology 1. With permission, Biology 7 may be counted.

Requirements for Minor in Human Biology:

15-16 semester hours, including Biology 1 or 5, Biology 9 and 10, and Biology 13 or 23.

For **General Studies** the following combinations of courses meet the sequence requirement: 1 with 2, 6, 7, or 8; 5 with 6, 7, or 8; or 6, 7; 6, 8; 7, 8; 6, 34.

1. Principles of Biology. **4 hrs.**
A survey of the principles of biology at the molecular and cellular levels, including energetics, reproduction, genetics, and ecology. A prerequisite course for all biology courses except 5-8. Laboratory included. Students may not receive credit for both Biology 1 and Biology 5.

2. Structure and Function of Organisms. **4 hrs.**
Introduction to the physiology of higher plants and animals. Emphasis on how organisms have met environmental problems through physiological, behavioral, anatomical, and morphological adaptations. Lecture and laboratory. *Prerequisite:* Biology 1.

3. Survey of Organisms. **4 hrs.**
A general taxonomic and phylogenetic study of the kingdoms of living organisms, with emphasis on evolutionary processes and relationships, life cycles, and basic morphological characteristics. Laboratory included. *Prerequisites:* Biology 1, 2, Chemistry 1. Should be taken in the sophomore year.

5. General Biology. **3 hrs.**
An introduction to biology for allied health students and for other non-majors. Emphasis on cells, biological molecules, energy, basic metabolism, and genetics, with a brief survey of ecology and evolution. Laboratory included. An alternate prerequisite for Biology 9 and 13, or may be combined with Biology 6, 7, or 8 for the General Studies science sequence requirement. Does not count toward a biology major. Students may not receive credit for both Biology 1 and Biology 5.

6. Plant Science. **3 hrs.**
The study of the significance of plants to human life and interrelationships between plants and people. Emphasis on plant variety, structure, and function to aid in growing and enjoying plants in the home and garden. Introduction to important plant products (foods, beverages, spices, medicines, poisons, fibers, lumber). Laboratory and field trips included. Designed for non-majors.

7. Environmental Science. **3 hrs.**
A study of the relationships between humans and the natural world. Basic principles of biology, population studies, natural resources, food, energy, pollution, environmental ethics, etc. Laboratory included. Designed for non-majors; may be used for a minor with permission.

8. Human Life Science. **3 hrs.**
Major topics include human evolution and genetics, normal and abnormal functioning of the human body, and recent advances in medical and biological science. Discussion of controversial topics of moral and ethical concern. Laboratory included. For non-biology majors.

9. Human Anatomy and Physiology I. **4 hrs.**
A study of the structure and function of the human body with emphasis on cells, tissues, skin and the coordination and control of body movements; skeletal, muscular and nervous systems are covered. Laboratory and lectures. *Prerequisites:* Biology 1 or 5 and Chemistry 1 or 5.

10. Human Anatomy and Physiology II. 4 hrs.
A continuation of Biology 9; emphasis is placed upon the interactions of endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems and the maintenance of metabolism and fluid and electrolyte balance of the human body. Laboratory and lectures. *Prerequisites:* Biology 9 and Chemistry 1 or 5.

11. Cell Biology. 3 hrs.
A study of relationship between structure and function at the cellular level. Topics covered include biologically important molecules, enzymes, membranes, genetic material, protein synthesis, cellular metabolism, photosynthesis, nerve impulses, and muscle contraction. *Prerequisites:* Biology 1, 2 and Chemistry 1, 2, 21.

12. Cell Biology Laboratory. 1 hr.
Laboratory exercises which emphasize the techniques and theories of isolating and characterizing biologically important compounds. Techniques include spectrophotometry, chromatography, electrophoresis, high speed centrifugation, and respirometry. *Corequisite:* Biology 11 or Chemistry 41.

13. Microbiology. 4 hrs.
A study of microorganisms and viruses, including their ecology and relationships to health, preparation and preservation of foods, use of water, agriculture, and industry. Training in laboratory techniques. A foundation course for students preparing for careers in medicine, medical technology, home economics, and teaching. *Prerequisite:* Biology 1 or 5, Chemistry 1, 2 or 5, 6.

14. Genetics. 4 hrs.
A study of the principles of inheritance and the nature of the genetic material. Emphasis upon contemporary developments. Training in laboratory procedures, statistical treatment of data, and logical interpretation of scientific research. *Prerequisites:* Biology 1, 2, Chemistry 1.

21. Comparative Anatomy. 4 hrs.
A comparative evolutionary study of different vertebrate anatomical systems with emphasis on the dissection of the shark, mudpuppy, and cat. *Prerequisites:* Biology 1, 2.

23. Histology. 4 hrs.
A study of animal tissues including a survey of techniques and laboratory practice in selected procedures. *Prerequisites:* Biology 1 or 5.

32. Ecology. 4 hrs.
A study of the relationships of plants and animals to their environment. The concepts of energy flow, ecosystems, communities, and population ecology will be discussed. Assigned readings and discussion of original source materials. Lectures, laboratories and field trips. *Prerequisites:* Biology 1, 2 and Chemistry 1.

33. Field Biology. 3 hrs.
Biological concepts which can be treated effectively only by intensive field study. As topics change from year to year, this course may be taken more than once with the approval of the biology department. *Prerequisite:* Permission of the instructor.

34. Plant Systematics. 4 hrs.
An introduction to systematics, diagnosis, identification, and classification of higher plants, with emphasis on local flora and flowering plant families of West Virginia. Lectures, laboratory, and field trips. *Prerequisites:* Biology 1, 2 (or Biology 6, with permission).

36. Vertebrate Zoology. 4 hrs.
A study of the evolution, systematics, adaptations, and natural history of the vertebrates. Lectures, laboratory and field trips. *Prerequisites:* Biology 1, 2.

42. Seminar. 1 hr.
Oral and written presentation on a current research paper from the primary biological literature. The semester's topic is selected by the students. Not open to freshmen or sophomores.

53. Immunology. 3 hrs.
A study of immune systems and the immune response (antigens, antibodies, complement, recognition of self, allergies). Lectures and assigned readings. Open to junior and senior biology and chemistry majors.

Business

Gum, Clemens, Cline, Gillan, D. Oldaker, Ruhlow, Shaafi

Education for a career in the business world must provide students with the intellectual competence to become successful, responsible, and creative business leaders. To this end the faculty seeks to develop in students both a thorough understanding of the diverse operational problems involved in a business world of changing dimensions and insights into their solutions.

In an attempt to master the more specialized aspects of business, students are encouraged to explore social and cultural values. The exacting demands which face executives require that they possess more than a high degree of professional competence. They must have a broad grasp of general business fundamentals and a full awareness of the economic, social, and human forces which form the context within which their business careers will be pursued. The curriculum presumes that an effective career in business leadership must be based upon the broad cultural foundation which a liberal arts education provides.

The courses offered meet the needs of those intending to enter one of the fields of business or pursue graduate study. Wesleyan offers a Master of Business Administration program which is described on page 109.

Requirements for Major:

Six areas of concentration are possible for majors in business: Accounting, General Business, Management, Marketing, Management Information Systems and Finance. Psychology 5 (Business and Industrial Psychology) may be credited toward a business major or minor.

All business students are encouraged to take Computer Literacy.

Students are cautioned that taking electives in business beyond those allowed in each concentration will necessitate earning more than 128 hours to graduate.

1) A concentration in **Accounting** consists of 54 hours, including Business 1, 3, 5, 13, 14, 21, 22, 23, 24, 25, 26, 27, 29, 32, 60, 70; Economics 40; plus 3 hours of electives in business.

2) A concentration in **General Business** consists of 39 hours including Business 1, 3, 13, 14, 21, 22, 60, 70; plus 3 hours of upper-level accounting; Economics 40; plus 9 hours of electives in business chosen with permission of the department.

3) A concentration in **Management** consists of 48 hours, including Business 1, 3, 5, 13, 14, 21, 22, 60, 61, 62, 65, 67, 70; plus 6 hours of electives in business; Economics 40.

4) A concentration in **Marketing** consists of 48 hours, including Business 1, 3, 13, 14, 21, 22, 60, 61, 70, 72, 73, 77, 78; plus 6 hours of electives in business; Economics 40.

5) A concentration in **Management Information Systems** consists of Business 3, 5, 21, 22, 60, 70, 61 (or 25 and 26), 67; CSC 50, 62, 76; and 6 hours from the following or other upper level courses in consultation with one's departmental advisor: Business 12, 13, 14, 62, and CSC 60 and 65. A minor other than business or computer science is required unless the student completes all courses required for the General Business concentration, in which case no minor is required.

6) A concentration in **Finance** consists of 51 hours, including Business 1, 3, 5, 13, 14, 21, 22, 60, 61, 67, 70; plus 15 hours of electives selected from Business 10, 29, 41, 43, 45, and 47; Economics 40.

Requirements for Minor:

15 semester hours, including Business 21 and 22.

1. Quantitative Analysis I. **3 hrs.**
An introduction to business calculations including such topics as interest, discount, depreciation, ratios, and basic statistics such as averages and measures of central tendency. *Prerequisite:* High school algebra or equivalent.

3. Quantitative Analysis II. **3 hrs.**
A study of analysis of business and economic data including statistical inference, regression, correlation, time series, and index numbers. Additional information is presented on basic probability theory and probability distributions and their relation to quantitative decision making. *Prerequisite:* Business 1. *Not open to freshmen.*

5. Quantitative Analysis III. **3 hrs.**
A study of the applications of various mathematical techniques to the solution of modern business problems. Topics include: decision tables, linear programming, inventory models, PERT, and game theory. *Prerequisite:* Business 3.

9. Retail Management. **3 hrs.**
An in-depth look at the structures and functions of retailing. The focus is on how the retail manager plans, organizes, directs, and controls his operation. *Prerequisite:* Business 70.

10. General Insurance. **3 hrs.**
Basic concepts of insurance and risk handling including analysis of insurance company functions; auto, homeowner's, liability, life and health insurance from consumer point of view.

12. Business Communications. **3 hrs.**
Focuses on principles and techniques involved in organizing ideas, writing effective business letters, and presenting reports, both oral and typewritten. *Prerequisite:* Junior or senior standing.

13. Business Law I. **3 hrs.**
A general survey of law, emphasizing commercial law but covering also other legal subjects like divorce, torts and criminal law. *Prerequisite:* Junior or senior standing.

14. Business Law II. **3 hrs.**
Continuation of Business Law I with emphasis on commercial contracts and the Uniform Commercial code. *Prerequisite:* Business 13.

21. Principles of Accounting I. **3 hrs.**
Introduction to the fundamental principles involving business transactions necessary for financial reporting.

22. Principles of Accounting II. **3 hrs.**
Continuation of Principles of Accounting I with additional material on internal reports, taxes, and financial statement analysis. *Prerequisite:* Business 21.

23. Intermediate Accounting I. 3 hrs.
A study of the accounting statements and the limitations involved in their preparation. Emphasis is on accounting theory and concepts and on analysis of the problems that arise in applying these concepts to financial accounting. Alternate views to the generally accepted position are explored and evaluated. *Prerequisite:* Business 22.

24. Intermediate Accounting II. 3 hrs.
Continued emphasis on accounting concepts; on conflicts and limitations that exist within the traditional structure of accounting theory. Attention is focused on the use of accounting information as a basis for decision-making of management, stockholders, creditors, and other users of financial statements and accounting reports. *Prerequisite:* Business 23.

25. Cost Accounting I. 3 hrs.
Emphasis is placed on the cost data accumulation methods used in a job order and in a process cost system. *Prerequisite:* Business 22.

26. Cost Accounting II. 3 hrs.
Emphasis is placed on controlling costs through budgeting and standard cost systems. Detailed attention is given to cost analysis and to profit planning as they relate to decision-making. *Prerequisite:* Business 25.

27. Auditing. 3 hrs.
Work of accountant in investigating, interpreting, and appraising accounting and related records. *Prerequisite:* Business 25.

29. Income Tax Accounting. 3 hrs.
A study of income tax law as it applies to the individual, partnership, and corporation. Emphasis is on the preparation of individual returns and the understanding of how to research the answer to a tax question using standard tax research aids. *Prerequisite:* Business 22.

32. Advanced Accounting. 3 hrs.
A study of partnerships, special sales procedures, consolidations, fiduciaries, and fund accounting. Emphasis is on the consolidation of corporate holdings given various complex situations. *Prerequisite:* Business 24.

41. Fundamentals of Investing. 3 hrs.
Introduction to basic financial concepts relating to marketable investment choices (common stock, debt securities, options, futures, etc.). The student will examine the analysis and research necessary to make good investment choices and learn some of the language of investments. *Prerequisites:* Business 1, 21; Computer Science 1.

43. Real Estate Fundamentals. 3 hrs.
Fundamentals of significance of real property, particularly the growth of communities. Analysis of principal legal concepts pertaining to location, financing, environmental factors, and causes of growth factors.

45. Financial Institutions. 3 hrs.
Analysis of the principles underlying decision-making in the administration of specialized financial institutions and activities, such as commercial banks, savings and loan associations, insurance companies, finance companies, mutual funds, investment banking, mortgage banking. *Prerequisite:* Business 67, Computer Science 1.

47. Advanced Financial Analysis. 3 hrs.
Examination of the tools and techniques of financial planning and analysis at the level of the firm. Topics include capital budgeting, working capital management, capital structure strategy, and financial planning and forecasting. *Prerequisite:* Business 67.

60. Principles of Management. 3 hrs.
The fundamentals of management underlying the organization and operation of business firms; governmental regulation of business practices. *Not open to freshmen.*

61. Managerial Accounting. 3 hrs.
A survey of accounting methods from the viewpoint of management; income measurement; analysis of and interpretation of accounting data; internal reports. Emphasis on how accounting information can be used as a guide in making decisions. *Prerequisite:* Business 22.

62. Personnel Management. 3 hrs.
Personnel problems of operating management. Policy decisions and practices involving selection, recruitment, training, job analysis and evaluation, work load, motivation, remuneration, morale, discipline, personnel appraisals, management development, and other areas. *Prerequisite:* Business 60, Computer Science 1.

65. Labor-Management Relations. 3 hrs.
Provides the student with an understanding of the importance of organized labor in today's economy. Labor legislation, organization, history, collective bargaining, and the future of the labor management movement are some of the topics emphasized. *Prerequisite:* Business 60, Computer Science 1.

67. Corporation Finance. 3 hrs.
A study of the corporate organization and the methods and instruments used to support the firm financially. Emphasis on the value of the firm and how financial decisions affect that value. Additional topics include working capital management, leverage, risk, cost of capital, and dividend policy. *Prerequisite:* Business 61 or 25, 26; Computer Science 1.

70. Principles of Marketing. 3 hrs.
Explores the role and importance of marketing in the business firm and the American economy. Emphasis is placed on the nature of marketing, target market determination, marketing opportunities, product and price decisions, distribution decisions, promotion, influences of the marketing environment, and international marketing. *Prerequisite:* Sophomore standing, Computer Science 1.

72. Salesmanship. 3 hrs.
Introduction to selling viewed from principles and practices, management, policy formulation, the selling process, selecting personnel and training. *Prerequisite:* Business 70, Computer Science 1.

73. Advertising. 3 hrs.
The place of advertising in business; introduction to the chief forms of advertising; principles of analysis; layout, copy writing, and criticism; preparation of advertisements for various media; methods of measuring effectiveness of advertising. *Prerequisite:* Business 70.

77. Advanced Marketing Management. 3 hrs.
Case studies, simulation techniques, and field studies as three methods for learning to identify business problems of a market nature and develop strategic marketing plans to solve them. The market areas of pricing, promotion, distribution, and product line explored. *Prerequisite:* Business 70, Computer Science 1.

78. Issues of Marketing. 3 hrs.
Provides students with an in-depth analysis of current situations affecting marketing managers. Such topics as social responsibility, marketing non-profit institutions, evaluating advertising effectiveness, marketing research, developing marketing information systems, and consumerism are studied. Specific attention is given to developing the written and verbal communication skills of the students. *Prerequisite:* Business 77.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Chemistry

Capstack, Farrier, Hamner, Richter

The chemistry program provides a background of chemical science to meet the needs of a variety of students pursuing a variety of careers. The introductory and general courses are General Studies courses in science suitable for any student; these and other courses are utilized to provide the chemistry needed for degree programs dependent on chemistry. Two degree programs are offered in chemistry: a B.S. degree for students preparing for the chemical profession or graduate school, and a B.A. degree for those planning to teach chemistry or to enter professional schools in such areas as medicine and dentistry. Three years of high school mathematics and high school chemistry are recommended prerequisites for elementary courses.

Requirements for a Bachelor of Science Major:
40 semester hours of chemistry including 1, 2, 21, 22, 25, 26, 45, 46, 50, 63; two credit hours of laboratory at the senior level; Math 20, 21; and Physics 11, 12.

Requirements for a Bachelor of Arts Major:
24 semester hours including 1, 2, 21, 22, 25, 63.

Requirements for Minor:
15 semester hours including 1, 2.

1, 2. Introductory Chemistry I, II. Each 4 hrs.
An introduction to the language and general principles of chemistry designed to form a sound foundation for the student interested in the natural sciences and/or pursuing additional courses in chemistry. Consists of lectures and laboratory.

5, 6. General Chemistry I, II. Each 4 hrs.
A terminal course for general education or for students with majors in nursing and in fields other than the natural sciences. The first semester includes scientific measurement, matter and energy, atomic and molecular structure, atomic properties and the periodic table, properties of gases, solutions, stoichiometry, acids and bases, equilibria, metals and nonmetals, radioactivity and nuclear chemistry. The second semester includes fundamental organic chemistry and biochemistry. Consists of lectures and laboratory.

21, 22. Organic Chemistry I, II. Each 4 hrs.
Theory and practice of organic chemistry, including qualitative organic analysis. *Prerequisites:* Chemistry 1, 2.

25. Quantitative Analytical Chemistry. 4 hrs.
Principles and techniques of analytical chemistry with emphasis on calculations for systems in equilibrium; gravimetric and volumetric analyses. Includes elementary spectroscopy. *Prerequisite:* Chemistry 2.

26. Spectroscopic Methods of Analysis. 4 hrs.
Principles and techniques of the basic spectroscopic methods, including atomic absorption, infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy. *Prerequisite:* Chemistry 2.

41. Biochemistry. 3 hrs.
A study of the properties and reactions of compounds of importance in living organisms including amino acids, proteins, carbohydrates, lipids and nucleic acids. Enzymes, coenzymes, vitamins and hormones are discussed. The pathways of anabolism and catabolism are studied with special reference to the production and utilization of energy in the cell and the control and coordination of cellular processes. *Prerequisites:* Chemistry 21, 22.

45, 46. Physical Chemistry I, II. Each 3 hrs.
An introduction to the physical laws of chemistry and their application to chemical systems. Topics include the laws of thermodynamics, kinetics and electrochemistry. *Prerequisites:* Chemistry 2; Math 21; Physics 12.

50. Specialized Analysis. 2 hrs.
A study of the principles and techniques for the less common methods of chemical and instrumental analysis. *Prerequisites:* Chemistry 22, 25.

53, 54. Advanced Chemistry I, II. Each 2 hrs.
Concepts and theories of chemical structure and their relationships to chemical and physical properties. *Prerequisites:* Chemistry 22, 25.

55, 56. Advanced Chemistry Lab I, II. Each 1 hr.
Laboratory application of the theories discussed in advanced chemistry courses. *Prerequisites:* Chemistry 22, 25.

63. Seminar. 1 hr.
For advanced science students.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Christian Education and Church Leadership

Carr, P. Coston

A major in Christian education and church leadership is designed to prepare students for graduate study and for full-time Christian vocations in various specialized ministries in or related to the church, including program director, director of Christian education, director of children's, youth, or adult ministries, minister of education, pastor, or church and community worker.

Students may elect a minor in Christian education and church leadership with studies in education, music, or sociology, leading to careers that combine these emphases. Students interested in exploring the possibility of church careers or in increasing their understanding for future leadership in the church as lay persons are encouraged to consider electives from the first four courses.

Requirements for Major:
Christian Education and Church Leadership 1, 2, 21, 22, 31; 32 or 33 or 34; 41, 42, 43. Religion 10 or 11, and Religion 12 or 13. Education 4 or Psychology 24 or 25.

Requirements for Minor:
15 hours.

1. Introduction to Church Vocations. 2 hrs.
An introduction to opportunities for Christian ministry and service as an ordained minister, diaconal minister or Christian lay person. The meaning of vocation opportunities, requirements for church-related vocations. Guest speakers share their experience of ministry with the class.

2. Foundations and Curriculum. 3 hrs.
A study of the foundations of the Christian faith in relation to the educational ministry of the church, a survey of curriculum materials, the aims of Christian education, and teaching/learning methods.

21. Leadership in the Church. 3 hrs.
Leadership processes in the life of the church: the implications of the concept of the church; leadership roles and group processes; goal setting and administrative procedures; structures and programming for ministries.

22. The Bible in Christian Education. 3 hrs.
The significance of the Bible for nurture in the church, in relation to the capacities and needs of all ages. *Prerequisite:* Religion 2.

31. Christian Education Theory. 3 hrs.
The implications of theology and Christian education theory for the practice of Christian education. A survey of the Sunday School, Religious Education, Christian Education movements, leading theorists, and issues. *Prerequisite:* C.E. 21 or 22.

32. Youth and Adult Ministries in the Church. 3 hrs.
A study of effective structures, programs, and methods for Christian ministry with youth and adults. Understanding the needs of youth and adults, how they learn and how their faith develops. *Offered in alternate years.*

33. Children's Ministries in the Church. 2 hrs.
A study of effective structures, programs, and methods for Christian ministry and advocacy for children. Understanding the needs of children, how they learn and how their faith develops. *Offered in alternate years.*

34. Outreach Ministry. 2 or 3 hrs.
Application of social concern principles to the needs of persons through actual experience of volunteer service; orientation to church efforts to cooperate with social agencies; study of poverty; volunteer service.

41. Senior Field Work I. **3 hrs.**
Supervised teaching and leadership experiences in a variety of church programs: church school administration, organization, and teaching; planning and leading teacher training and development workshops. *Prerequisite:* C.E. 31.

42. Senior Field Work II. **3 hrs.**
The role of the Christian educator and multiple staff relationships; the dynamics of ministry in the local church; leadership training and development skills. *Prerequisite:* C.E. 31.

43. Senior Seminar. **1 hr.**
Comprehensive review of Christian education theory, investigation of some current issues, and their implications for the practice of Christian education. *For majors only.*

51, 52, 53, 54. The Christian Minister. **Each 2 hrs.**
Introductory studies of basic ministry skills and understandings, for pastors, Christian educators, interested laypersons: pastoral care, adult Bible study, worship, preaching, evangelism, administration.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Communication and Dramatic Arts

Reed, Long, Norvell, S. Presar, Rinkel, Turner, Urquhart

The Department of Communication and Dramatic Arts offers several related major and minor programs designed to help students achieve effective, artistic, creative, and ethical self-expression in response to their environment. Recognizing that communication is the basis of all human interaction, the department provides communication and theatre experiences that may be helpful to all students.

Non-majors, as well as majors, are encouraged to benefit from a flexible program of courses and co-curricular activities. Students may consult with any departmental faculty to select courses which may prove most helpful in achieving individual goals.

Requirements for Speech Communication and Dramatic Arts Major:

45 semester hours, including Comm. 4, 11, 32 , 33, 35; 21 or 36; Dram. Arts 3, 13, 22; two courses from Dram. Arts 30, 31, 32, 33; either Dram. Arts 41 or Comm. 26; either Comm. 42 or Dram. Arts 49; plus six hours of electives from communication and/or dramatic arts. Students must complete four semesters of major responsibilities in intercollegiate forensics, West Virginia Wesleyan College Theatre, TV Production Club, or C92-FM Radio, at least one semester of which must be in forensics and one in theatre.

Requirements for Speech Communication Major:

30 semester hours above Comm. 11. Required courses are 4, 21, 31, 32, 33, 35, 36, and 42 (Dram. Arts 22 and 23 may be credited toward the major). Also required are Psychology 1, which will not count toward the 30 required semester hours, and four semesters of participation in intercollegiate forensics, TV Production Club, and/or C92-FM Radio, at least two semesters of which must be in forensics.

Requirements for Speech Communication Minor:

15 semester hours above Comm. 11, including 4, 32, 33, 35, 36; two semesters of participation in intercollegiate forensics, TV Production Club, or C92-FM Radio, at least one semester of which must be in forensics.

Requirements for Dramatic Arts Major:

45 semester hours, including Dram. Arts 3, 13, 15, 22, 41, 47, 49, Comm. 4; three of the following: Dram. Arts 30, 31, 32, 33; and 12 semester hours selected from remaining dramatic arts courses, Comm. 26, and English 32. Students must complete major responsibilities in at least four major West Virginia Wesleyan College Theatre productions.

Requirements for Dramatic Arts Minor:

18 semester hours, including 3, 13 or 15, 22; two of the following: 30, 31, 32, 33; three additional semester hours from other dramatic arts courses. Students must complete major responsibilities in at least two major West Virginia Wesleyan College Theatre productions.

Requirements for Public Relations Major:
40 semester hours in addition to Comm. 11, including 21, 25, 31, 33, 36, 37, 38, 45; Business 70, 73; English 9, 11; and Art 5. This major may not be combined with a speech communication major or minor or a minor in mass communication.

Requirements for Mass Communication Minor:
17 semester hours in addition to Comm. 11, including 21, 24, 25, 28, 37 and 42 and English 9; two semesters of participation in C92-FM, TV Production Club, and/or *Pharos*, or equivalent, one of which must be in broadcasting. This minor may not be combined with either a speech communication or public relations major.

Communication

Courses and co-curricular activities offered in communication are designed to provide theory and experiences in all aspects of interpersonal and audience-oriented transactions, mass media, and public relations. Students will be provided a broad background on which to base graduate study in areas such as communication, public address, or public relations. Others may develop the knowledge and skills necessary for certain occupations in communication, business, public relations, mass media, or service-oriented fields.

4. Voice and Diction. **3 hrs.**
A study of the physical production, resonation, and articulation of sound for normal human speech, with an introduction to the international phonetic alphabet. Students are introduced to exercises which may help them develop a strong, flexible, resonant voice and good diction.

8. Novice Intercollegiate Forensics. **1 hr.**
A course designed to provide knowledge and experience in public speaking and interpretation (individual events) and/or debate. The student will participate in intercollegiate forensic tournaments throughout the semester. *May be repeated for a second hour of credit.*

9. Intercollegiate Forensics. **1 hr.**
This course prepares a student for successful participation in intercollegiate individual events (public speaking and interpretation) and/or debate on an advanced level. The student will participate in intercollegiate forensic tournaments throughout the semester. *May be repeated for a total of 6 hours of credit. Prerequisites:* Comm. 8 and consent of the instructor.

11. Fundamentals of Speech Communication. **3 hrs.**
An introduction to the fundamental concepts involved in any communication situation. Contemporary theories in intrapersonal, interpersonal, small group, organizational, public address, and mass communication will be studied. Practical communication experience will be provided through classroom exercises, projects and speeches. *Prerequisite:* Sophomore standing or instructor approval.

15. Speech and Language: Development and Correction. **3 hrs.**
A study of speech and language development in the child with an introduction to the causes and treatment of speech defects. Students will become familiar with techniques for helping the child develop good speech patterns and with referral procedures for children in need of pathological care. The course will be useful to anyone planning to work with children and youth. *Prerequisites:* Junior or senior standing and instructor approval. *Offered fall, even years.*

21. Introduction to Mass Media. **3 hrs.**
The historical development of mass media, the different types of media, including print, radio, television and film, government and special control, FCC laws, ethics and responsibility, and the effects of the mass media on our present society and future.

24. Introduction to Radio Broadcasting. **1 hr.**
The student will become a regular staff member of C92-FM radio, participating in all station activities and meeting the requirements of three hours per week air time and two in a responsible station service position. *Prerequisite:* Instructor's permission.

25. Basic Television Production. **3 hrs.**
Students are trained in the operation of various types of television studio production equipment, gain experience as crew members in several television studio positions, and have the opportunity to produce various types of television programs. *Prerequisites:* Comm. 11 and instructor's permission.

26. Oral Interpretation. **3 hrs.**
A course providing training for students in the techniques of dramatic reading and reader's theatre, and supporting their creativity in the planning and presentation of programs of a dramatic nature.

28. Broadcasting Practicum. **1 hr.**
Opportunity to assume responsibility for advanced work in either radio or television. Accepting a post for a specialized program or position allows the student to be intimately involved with the planning and operation of the radio station or the television studio. *Prerequisites:* Comm. 24, 25 and instructor's permission. *May be repeated for a total of 6 hrs. of credit.*

31. Theory and Research Methods in Speech Communication. 3 hrs.
The nature of theories on human communication, with a focus on the purpose of theories. The history of communication theory, predominant current theories, and particular qualitative, quantitative, laboratory, field, and historical-critical methodologies will be discussed. Students will criticize published studies on theoretical and research bases. *Prerequisite:* Comm. 11 or permission of instructor.

32. Interpersonal Communication. 3 hrs.
A study of the situational and developmental views in building interpersonal communication and its influence in the enhancement, maintenance, and/or deterioration of relationships. Comparison of communication models, theories, styles, competence levels and coding structures. Emphasis also on various relational contexts, functions and patterns. *Prerequisite:* Comm. 11 or permission of instructor.

33. Small Group Communication. 3 hrs.
A study of communication in small groups with a balance between empirically founded theories of small group communication and specific practical procedures and techniques for improving the functioning of groups. *Prerequisite:* Comm. 11 or permission of instructor.

35. Public Address. 3 hrs.
The course combines traditional concepts of rhetorical theory in its historical form with contemporary research on persuasion theory. The student will examine, through lectures, discussion and readings, speech delivery techniques, evidence and reasoning used in a speech, critical characteristics of the audience, and related concepts. The student will research, organize, and deliver several different types and forms of speeches. *Prerequisite:* Comm. 11.

36. Persuasion. 3 hrs.
A study of public reasoning and argumentation theory. Introduction to motivational appeals and methods of persuasion with participation in arbitration/mediation exercises, bargaining sessions and debates. *Prerequisite:* Comm. 11.

37. Public Relations Principles and Practice. 3 hrs.
Introduction to the principles, processes and practice of public relations. The student will learn the nature of public opinion, the application of problem solving process to case studies, and the utilization of persuasion and marketing skills in public relations practice. *Prerequisite:* Comm. 11.

38. Public Relations Writing. 4 hrs.
Advanced study of the selection and development of public relations writing tools. Emphasis will be on choosing the most appropriate medium for the communication task and developing the writing tools necessary for application in individual and personal communications, publications, and the mass media. *Prerequisites:* English 1, Comm. 11 and 37, competence in grammar, spelling and punctuation.

42. Seminar in Communication. 3 hrs.
A seminar designed to study advanced concepts in communication theory. Special topics, not covered in the regular course offerings, will be discussed. *Prerequisite:* Junior or senior standing with a minimum of 15 hrs. in Communication.

45. Public Relations Internship. 3 hrs.
The professional field placement for Public Relations majors in the senior year. A semester-long working and learning experience in an approved public relations agency, corporate relations department or public information office. *Prerequisites:* Junior or senior standing and consent of department.

88. Special Topics. 1-3 hrs.
A course or seminar on selected topic within the discipline that is not otherwise represented in the curriculum.

Dramatic Arts

Courses and co-curricular activities offered in dramatic arts are designed to provide experiences in all aspects of theatre. Students majoring in the discipline are provided a background on which to base specialized graduate or professional study or direct community and organizational theatre activities. Courses and activities are open to all students who wish to nurture their appreciation for the aesthetic in theatre, and/or seek knowledge and skills applicable to education, religious and service-oriented occupations and avocational involvement in community theatre.

1. Theatre Practicum. 1 hr.
Intensive practice in the various aspects of theatre production: acting; design, building and painting scenery and properties; lighting design and execution; costume design and construction; make-up design and application; box office and promotion procedures; children's theatre; technical direction; and stage or theatre management. Students may accomplish their goals through active commitment to West Virginia Wesleyan College Theatre or Reader's Theatre productions or through practicum arranged with department faculty member. *Prerequisite:* Consent of the director or technical director of the theatre. *May be repeated for a total of 6 hrs. of credit.*

3. Introduction to Dramatic Arts. 3 hrs.
An introduction to the theatre through a survey of its history, literature, and the various artists involved in the creation and production of a play. Lectures, reading, and discussion will be used to investigate the subject matter.

6. Drama for Youth. **3 hrs.**
An examination of drama as a tool for aesthetic, emotional, ethical, and social development in young people. The principles governing the production of appropriate plays are examined, dramatic literature for youth is surveyed, and students gain experience in leading dramatic activities with young people. This course is especially recommended to individuals who intend to work with children and young people in schools, churches, and other settings.

9. Stage Makeup and Costuming. **3 hrs.**
A survey of makeup and costumes for the theatre. Students will investigate the principles, techniques, and materials of stage makeup through practical experience in their application. They will examine the materials, equipment, and techniques necessary to dress an actor for a theatrical production.

13. Stagecraft. **3 hrs.**
A course dealing with the basic tools, equipment, construction techniques and painting methods found in the theatre. The building of properties and the movement of scenery will also be explored.

15. Design for the Stage. **3 hrs.**
A survey of theatre production theories and techniques. The course includes problems with costuming, make up, lighting, sound, scenery, properties, theatre management and theatre architecture.

17. Scene Design. **3 hrs.**
A combined lecture and laboratory course in contemporary theatre methods of scene design. The student will develop a number of designs along with investigating past and present theories of design. *Prerequisites:* Dram. Arts 3, 13, 15.

18. Lighting. **3 hrs.**
A course dealing with the basic techniques of lighting for the stage. This is designed to help students acquire competence in creating workable lighting effects for school, church, and community theatres. *Prerequisites:* Dram. Arts 3, 13, 15.

22. Acting I. **3 hrs.**
An introduction to the craft of acting with emphasis on developing skills in relaxation, concentration, imagination, improvisation, and scene study. *Prerequisite:* Sophomore standing.

23. Acting II. **3 hrs.**
Continuation of Acting I that focuses on advanced scene study and the creation of character. Assignments will be made from both classical and contemporary material. *Prerequisite:* Acting I and consent of instructor.

30. History of the Theatre I. **3 hrs.**
A comprehensive study of the literature and history of the theatre from primitive man through Elizabethan England. Lectures and discussion concerning plays and historical background.

31. History of the Theatre II. **3 hrs.**
A comprehensive study of the literature and history of the theatre from Elizabethan England through Romanticism. Lectures and discussions concerning plays and historical background.

32. Modern Drama. **3 hrs.**
A comprehensive study of the literature and history of the theatre from Romanticism through World War I. Lectures and discussions concerning plays and historical background.

33. Contemporary Drama. **3 hrs.**
A survey of the significant events, theories, plays and personalities that have contributed to the development of the contemporary theatre in America, Britain, and Europe.

41. Directing. **3 hrs.**
Advanced study in the theory and practice of directing for the theatre, including selection of material, organization of rehearsals, script analysis, casting, staging, and working with actors. Students will be expected to direct a substantial scene or one-act play as a final project. *Prerequisites:* Dram. Arts 3, 15, and 22.

43. Advanced Production Laboratory. **3 hrs.**
Opportunities for students to gain experience with advanced production techniques in acting, directing, and design. *Prerequisite:* Permission of instructor.

47. Senior Internship. **3 hrs.**
Professional or semi-professional experience in theatrical production for dramatic arts majors. Students will be assigned significant responsibilities determined by their needs and capabilities and the needs of the sponsoring organization. *Prerequisites:* Advanced standing and permission of the faculty.

49. Literary Criticism and Dramatic Arts. **3 hrs.**
A study of various critical approaches to the theatre, from the Greeks through contemporary critics. Evaluation and application of these approaches to dramatic literature and performance of various periods. *Prerequisite:* Minimum of 20 hours in dramatic arts or consent of instructor.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Computer Science

Choban, Clemens, Klausewitz, Lynn

The computer science program at Wesleyan offers two majors: the degree in computer science prepares broadly educated analysts for graduate school or employment in the computer industry or in fields which rely on a thorough background in automated computing; the degree in computer information science prepares those who seek to apply high level computing competence to the field of business. Both programs have been carefully designed to insure that graduates possess the needed breadth and depth in the computing sciences.

Graduates who major in computer science at West Virginia Wesleyan will be able to:

1) recognize problems that can be solved with the aid of computers;

2) design structured algorithms, using various design tools, which solve these problems;

3) use formal and informal verification procedures to test algorithms and programs for correctness;

4) code algorithms into reasonably efficient programs that work correctly, are well documented, and are readable;

5) understand basic computer architectures;

6) understand how the processes of modern operating systems cooperate and compete with each other as they perform their functions;

7) understand how modern programming languages are organized;

8) analyze and use algorithms which represent and transform information structures;

9) pursue advanced studies in one or more areas of computer science.

Requirements for Major:

A minimum of 39 semester hours, including Mathematics 20, 21, 25, 89; Computer Science 50, 60, 61, 65, 70, 80. Electives are to be selected from mathematics and computer science courses numbered between 32 and 72 and between 80 and 88, and Physics 28. Mathematics 34 and a senior capstone contract course of 1-3 semester hours are strongly recommended.

Requirements for Minor:

15 semester hours, including 2, 50, and 60. The remaining hours must be selected, with the approval of the department, from mathematics and computer science courses numbered between 50 and 89.

Requirements for Major in Computer Information Science:

Mathematics 20, 21; Computer Science 50, 60, 61, 62, 65, 76, plus a 3-hour elective above number 21 in mathematics or computer science; Business 21, 22, 60 or 70, 61, plus a 3-hour elective chosen with advisor's approval. The major includes a minor in business.

1. Computer Literacy. **3 hrs.**
Exposure to existing software through hands-on experience with text editing, text formatting, word processing, spread-sheet implementation, simple data analysis and data processing. The course may be taken by non-majors to fulfill general studies requirements in conjunction with a sequence in science. It does not count toward a computer science major or minor.

2. Introduction to Pascal. **3 hrs.**
An introduction to the programming language Pascal with experience in computer problem solving techniques through problem analysis and algorithms, transformation of algorithms into the programming language Pascal, and executing and validating the program. Lab problems in areas ranging from numerical computation to simple file processing to simple dynamic data structures. *Prerequisite:* CSC 1 or consent of instructor.

3. Introduction to BASIC. **3 hrs.**
A working knowledge of the most widely used programming language, BASIC. Topics will include number handling, program control, arrays, input/output, functions and subroutines, strings and files. Lab experience in generating programmed solutions to commonly encountered problems amenable to computer solution.

4. Introduction to COBOL. **3 hrs.**
A basic knowledge of the syntax of the COBOL programming language within the constraints of structured programming. Lab concentrates on business problems and includes creating reports from sequential disk data files requiring limited calculations, control breaks, table-lookups and sequential file processing. Prior experience with another programming language is often helpful but not required.

7. Introduction to FORTRAN. **3 hrs.**
Focus on the FORTRAN language structure and its use in solving problems in the engineering and scientific fields. Certain elements of the computing environment will be studied to supplement the student's knowledge. *Prerequisite:* Consent of instructor.

50. Concepts of Computer Science. **3 hrs.**
Introduction to the fundamental forms and concepts of computer science. Topics include internal data representation, structured program development using formal design tools, basic language concepts, introduction to data structures, arrays and numerical methods. *Prerequisites:* CSC 2 and MTH 10, or equivalent. *Offered every spring semester.*

60. Fundamentals of Computer Systems. 3 hrs.
Computer architecture and machine language; symbolic coding and assembly systems; macro definition and generation; introduction to operating systems; program segmentation and linkage; construction of elementary assemblers. *Prerequisite:* CSC 50. *Offered every fall semester.*

61. Data Structures and Algorithm Analysis. 3 hrs.
Study and design of algorithms for unordered sets, graphs, matrices, and vectors. Numerical and seminumerical structures of integer and real numbers and strings; algorithms in text processing, pattern matching; language processing, parsing, storage management; operating systems, scheduling, queues, linked lists; database management, sorting, searching. *Prerequisite:* CSC 60. *Offered every spring semester.*

62. Systems Analysis. 3 hrs.
Introduction to the techniques and methodologies of systems analysis. Picturing systems analysis as a people-oriented discipline as well as a set of interdisciplinary tools. Topics covered are system definition, system requirements, cost evaluations, system implementation, and PERT/CPM. *Prerequisite:* CSC 50. *Offered every spring semester.*

65. Computer Architecture. 3 hrs.
Principles of logic design; addressing; central processing units; microprogrammed control; interrupts; arithmetic; memories; interface design; data communications and networking; minicomputers, and microprocessor systems. *Prerequisite:* CSC 50. *Offered every spring semester.*

70. Operating Systems. 3 hrs.
Organization of computer systems supporting a wide variety of users. Topics include process communication using semaphores and mailboxes; deadlocks; multiprogramming scheduling algorithms; memory management; file system design and management. *Prerequisite:* CSC 61, 65. *Offered alternate years, beginning 1990-91.*

72. Computer Systems Management. 3 hrs.
Study of the management of multi-user computer systems, with hands-on experience with a Digital Equipment Corp. VAX computer. VAX/VMS concepts and architecture, operational techniques, systems configurations and tuning, DCL and system utilities, performance monitoring and computer security. *Prerequisite:* CSC 70.

76. Database Management Systems Design. 3 hrs.
Data models, including entity sets, attribute relationships, and associations; normalization of data; data languages; comparison of hierarchical, network, and relational systems; implementation considerations; integrity and security issues; examination of real systems. *Prerequisite:* CSC 4. Does not count toward a CS major.

80. Organization of Programming Languages. 3 hrs.
Formal analysis of computer programming languages. Topics include information binding, scope rules, execution environments, control structures, formal grammars and automata. Examples include Pascal, ALGOL, LISP, C, APL, PL/I, SNOBOL, and other languages. *Prerequisite:* CSC 61. *Offered spring semester, even years.*

85. Numerical Methods. 3 hrs.
Introduction to floating point arithmetic and the use of mathematical subroutine packages. Interpolation, approximation, integration, differentiation, linear and nonlinear equations and differential equations are explained and studied. *Prerequisites:* CSC 2 or 3, MTH 34. *Offered spring semester, odd years.*

86. Microprocessors. 3 hrs.
Introduction to the hardware and software aspects of microprocessors. Interfacing techniques, interrupt structures, memory-mapped I/O ports and stacks. Laboratory included. *Prerequisites:* Phys./Eng. 11, 12 or consent of instructor.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Dramatic Arts

See Communication and Dramatic Arts for description of major and minor programs.

Economics

Davies, Nair

The courses in economics are designed to provide the student with an understanding of economic principles and problems; to give a firm economic background to students interested in business, finance, government, international issues, law, teaching and other related fields; and to meet the more specific needs of economics majors.

Requirements for Major:
24 hours, including 10, 11, 20, 21, and 32. Majors are required to take, in addition, one semester of statistics; however this course will not count toward the 24-hour requirement. Students who plan graduate studies in economics are strongly encouraged to take courses in calculus and computer science.

Requirements for Minor:
15 hours, including 10 and 11.

10, 11. Principles of Economics. Each 3 hrs.
A general introduction to economics. Particular attention is given to the nature and scope of both macroeconomics and microeconomics, the use of basic tools of economic analysis, the study of simple theoretical models, and the examination of major economic problems and policies. (With the consent of the instructor, 11 may be taken before 10.)

20. Macroeconomics. 3 hrs.
A study of modern income and employment theory. Analysis of the determinants of such aggregate economic magnitudes as national income, employment, price level, etc. *Prerequisites:* Economics 10, 11.

21. Microeconomics. 3 hrs.
A theoretical analysis of the principles of pricing in commodity markets under different market structures such as perfect competition, monopoly, monopolistic competition, and oligopoly. Examination of utility, demand, production, cost, and supply functions. *Prerequisites:* Economics 10, 11.

30. Public Finance. 3 hrs.
Outline of the major fiscal systems. Budgets, sources of revenue, expenditures. Problems of assessment, tax collection, public debt. Modern theories and practice of public finance. *Prerequisites:* Economics 10, 11.

31. Comparative Economic Systems. 3 hrs.
A comparative study of major systems of economic organization, of both free enterprise and controlled varieties; laissez-faire and mixed capitalism, communism, market socialism, fascism. Emphasis is on theoretical-analytic rather than institutional aspects. *Prerequisites:* Economics 10, 11.

32. History of Economic Thought. 3 hrs.
A study of the development of economic thought from mercantilism to the present. Contributions of great economists to economic analysis and their bearing on current theory and policy are emphasized. *Prerequisites:* Economics 10, 11.

34. Economic History of the United States. 3 hrs.
The economic transformation of the U.S. from the colonial period to the present. Human resources, social institutions, and technological change are emphasized. The evolution of the business culture and corresponding role of government are examined, and past problems and challenges are related to today's environment.

40. Money and Banking. 3 hrs.
A study of the money and credit aspects of a money economy, especially of the U.S. economy, of monetary theories and of the problems of monetary policy. *Prerequisites:* Economics 10, 11.

41. Theory of Economic Growth and Development. 3 hrs.
The major theories of economic growth: Classical, Marxian, Schumpeterian, Keynesian, Domarian. Some simple dynamic models of economic development; obstacles to and requirements for economic development. Agriculture, industry, foreign trade, population, and other basic problems facing today's less developed countries. Development planning and other development policies. *Prerequisites:* Economics 10, 11.

42. International Economics. 3 hrs.
An analysis of the various models of international trade theory and of the forces and institutions affecting the economic relations of modern nations. Attention is given to the problems of international movements of goods and productive factors, to the foreign economic policies of the United States, and to world monetary problems. *Prerequisites:* Economics 10, 11.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Education

Kean, Burgess, P. Coston, Fortney, L. Rupp, Williams, Wilmoth

Wesleyan's teacher education program is designed to prepare elementary and secondary classroom teachers who are active learners and decision makers. Their competence as entry-level teachers derives from thorough preparation in their teaching field(s) and in mastery of professional skills appropriate to the level at which they choose to teach. These are complemented by an appreciation for the breadth and richness of culture and a respect for the dignity, diversity, and worth of individuals, both of which are fundamental to a Wesleyan education.

The professional component of the teacher education program includes both course work and field experiences organized around five areas of general concern: instruction and learning; professional, personal, and ethical roles; cultural, social, and school/classroom contexts; individual differences/diversity; and evaluation and decision-making. Public schools in Buckhannon and surrounding communities provide the setting for directed observation and teaching. (Students are responsible for their own transportation during all field exercises and field experiences.)

Graduates of Wesleyan's teacher education program qualify for professional licensure in West Virginia and in most other states. Some states may require limited additional work before a candidate educated out-of-state may be eligible for permanent professional licensure. Because the teacher education program demands very careful coordination of academic, professional, and field instruction, students are encouraged to seek early advising from a member of the education faculty.

Requirements for Major:

128 credit hours, including completion of the College's general studies program, carefully coordinated with specific requirements within the appropriate professional education track; formal admission to the teacher education program; maintenance of a cumulative grade point average of 2.5 or above after admission to the teacher education program on all college work and a cumulative grade point average of 2.0 or above in all course work in education and in all course work in each teaching field; and completion of one of the prescribed professional education sequences described below appropriate to elementary teaching (K-8), secondary teaching (9-12 or 5-12, depending upon the field or fields), or combined education (K-12, available in art, health, music, and physical education).

Note: Students majoring in elementary education are not required to complete a minor for graduation from Wesleyan; however, optional endorsements, listed below under Elementary Education, may be declared as minors for purposes of notation on the permanent record. Those completing a program in secondary education automatically satisfy requirements for a minor. Students in both programs are free to select an optional minor in any discipline offered at the College.

Requirements for (Non-Certification) Minor:

15 credit hours in education approved by the department chair including Education 2, 4, and 23. The minor may include methods courses offered through other departments. *This minor is available only to students with an interest in the field of education who do not intend to seek licensure.*

Admission to the Teacher Education Program

Students may apply for admission to the teacher education program after completion of 50 credit hours of college work; however, they must apply prior to enrollment in Education 8, Educational Paraprofessionalism, normally taken during January of the junior year. Minimal requirements for admission include:

1) 50 credit hours of college work.
2) A cumulative grade point average of 2.5 or above.
3) Successful completion of all sections of the Pre-Professional Skills Test.
4) Completion of each of the following courses with a grade of C or above: Education 2, Education 4, English 1, and Communication 11.
5) Submission of two letters of recommendation from faculty members outside the Department of Education.
6) Submission of an autobiographical statement.
7) Evidence of a current, negative T.B. test.

Admission is not automatic for students who meet these minimal requirements. Rather, the Teacher Education Committee will use these data to make an informed professional judgment about the academic and personal suitability of the candidate for the teaching profession. Faculty challenges or evidence of character or personality deficiencies will be considered.

Once a student is admitted to the teacher education program, he or she must maintain an cumulative grade point average of 2.5 or above on all college work and a cumulative grade point average of 2.0 or above in all course work in education and in each teaching field and must be free of substantiated challenges to his or her character or suitability to the teaching profession.

A comprehensive review of each student's performance and progress in the teacher education program is undertaken again before permission is granted to enroll in the professional semester, which includes a block of intensive education courses and student teaching. Students who have completed a minimum of 96 credit hours of college work and have met all prerequisites may elect to enroll in the professional semester either in the fall or spring semester of the senior year.

Students may challenge action taken during any phase of the admission or review process by appearing before an appeal committee appointed by the Dean of the College. Requests for such a challenge must be submitted in writing to the chairperson of the Department of Education. Action by the appeal committee will be final.

Requirements for Licensure (Certification)

Each student must make formal application for a professional license (teacher's certificate) on forms supplied by the state department of education in the state where licensure is desired. It is recommended that all successful teacher education students apply for West Virginia licensure immediately upon graduation, since licensure in other states usually requires a West Virginia license. Allow 8 to 10 weeks for processing of the application, which should be submitted through the Registrar's Office.

Although West Virginia does not require the National Teachers Examination (NTE) for licensure, this exam is required for employment in many states. Licensure in West Virginia requires successful completion of the Content Specialization Examination. Students are encouraged to work closely with licensure agencies within the state in which they plan to teach. West Virginia licensure requires U.S. citizenship.

Prescribed Professional Education Sequences

Elementary Education (K-8)

Education 2, 3, 4, 8, 11, 16, 23, 41, 43, 45, 47, 48; Art 7; Biology 8* and either 6* or 7*; Computer Science 1*; Division 3, 38*; History 22*; Library Science 3; Mathematics 11, 12; Music 18*, 19*; Physical Education 38*, 52*, 55*; Physics 3, 4; Sociology 1*; 3 credit hours in literature*.

**May also apply toward satisfying general studies requirements.*

Students may wish to add one of the following optional endorsements as a means of enhancing employment opportunities:

ART (5-8): Art 2, 3, 5, 7, 8, 9, 23, 24 (23 hours total)

CONSUMER AND HOMEMAKING (5-8): Human Ecology 2, 20, 21, 30, 31, 40, 41, 45, 52, 53; Education 60 (30 hours total)

MATHEMATICS (5-8): Computer Science 1; Mathmetics 8 (or diagnostic test), 10, 11, 12, 13, 20, 21, 25, 34; Education 60 (34 hours total)

PHYSICAL EDUCATION (5-8): Physical Education 1 (swimming), 1 (tumbling-gymnastics), 10, 11, 12, 20, 31, 32, 33, 38, 52 (30 hours total plus swimming proficiency)

SPECIFIC LEARNING DISABILITIES (K-12): Education 23, 24, 26, 70, 71, 72, 73 (22 hours total)

Secondary Education (9-12 or 5-12, depending on the teaching field or fields)

Endorsement in specific teaching fields must conform to state licensure standards, which are subject to change. Students are urged to work closely with an advisor on the education faculty in order to meet all current requirements.

1) Professional education core: Education 2, 3, 4, 8, 23, 60 (where applicable).

2) Professional semester courses: Education 15, 48 (or 49 as applicable), 61, 62, 68 (or 69 as applicable).

3) Selection of courses to satisfy general studies requirements to include: Computer Science 1, Physical Education 50 or 55, one 3-credit hour literature course.

4) Selection of one of the secondary teaching fields from the list below.

ART (5-12): Art 2, 4, 5, 8, 9, 10, 23, 24, 31, plus elective (31 hours total)

BIOLOGY (9-12): Biology 1, 2, 3, 14; Education 60 (18 hours); plus one course from Biology 32, 33, 34, 36; one course from 11, 13; and one course from 21, 23, or 9-10 (30-35 hours total)

CHEMISTRY (9-12): Chemistry 1, 2, 21, 22, 25, 45, 46; Education 60 (28 hours total)

CONSUMER AND HOMEMAKING (5-12): Human Ecology 2, 20, 21, 22, 30, 31, 32, 33, 40, 41, 45, 50, 51, 52, 53, 56; Sociology 25; Education 60 (47 hours total)

ENGLISH/LANGUAGE ARTS (5-12): English 1, 11, 14, 15, 16, 17, 25, 32, 48; English 31 or 34; one additional course dealing with literature before 1870; two additional courses dealing with literature after 1870; one three-hour approved elective; Education 15, 60; Communication 11 (50 hours total)

GENERAL SCIENCE (5-12): Biology 1, 2; Chemistry 1, 2; Physics 5, 7, 11, 12; Education 60 (32 hours total)

MATHEMATICS (5-12): Computer Science 1; Mathematics 8 or diagnostic test, Mathematics 10, 11, 12, 13, 20, 21, 25, 34, 40, 45, 48; Education 60 (40-43 hours total)

PHYSICAL EDUCATION (5-12): Physical Education 1 (swimming), 1 (tumbling-gymnastics), 10, 11, 12, 14, 20, 24, 31, 32, 33, 39, 52, 55 (37 hours total plus swimming proficiency)

PHYSICS (9-12): Physics 11, 12, 21, 22, 23, 24, 27, 34, 36; Education 60 (27 hours total)

SOCIAL STUDIES (5-12): Division 38; Economics 10, 11; Government 1, 2; History 1, 2, 8, 21, 22, 41; Psychology 1, 6; Sociology 1, 2; Education 60; six hours social science electives (53 hours total)

Students may wish to add one of the following optional endorsements to their primary teaching field as a means of enhancing employment opportunities:

ART (5-8): Art 2, 3, 5, 7, 8, 9, 23, 24 (23 hours total)

ATHLETIC TRAINING (5-12): Physical Education 6, 7, 8 (I-IV), 10, 11, 12, 14, 20, 24, 52, 55; Human Ecology 41; Education 4 (37 hours total); plus clinical experience in Education 48 and 68. Must be combined with Physical Education 5-12 or K-12 or Health K-12 teaching field.

CONSUMER AND HOMEMAKING (5-8): Human Ecology 2, 20, 21, 30, 31, 40, 41, 45, 52, 53; Education 60 (30 hours total)

MATHEMATICS (5-8): Computer Science 1; Mathematics 8 or diagnostic test, Mathematics 10, 11, 12, 13, 20, 21, 25, 34; Education 60 (34 hours total)

PHYSICAL EDUCATION (5-8): Physical Education 1 (swimming), 1 (tumbling-gymnastics), 10, 11, 12, 20, 31, 32, 33, 38, 52 (30 hours total plus swimming proficiency)

SOCIAL STUDIES (5-8): Division 38; Government 1; History 1, 2, 8, 21, 22; Sociology 1; Education 60; elective in social sciences (29 hours total)

Combined Elementary/Secondary Education (K-12)

1) Professional education core: Education 2, 3, 4, 8, 23, 60 (where applicable).

2) Professional semester courses: Education 15, 48 (or 49 as applicable), 61, 62, 68 (or 69 as applicable).

3) Selection of courses to satisfy general studies requirements to include: Computer Science 1, Physical Education 50 or 55, one 3-credit hour literature course.

4) Selection of one of the combined elementary/secondary teaching fields from the list below.

ART (K-12): Art 2, 4, 5, 6, 7, 8, 9, 10, 23, 24, 31, plus seven hours of electives from Art 1, 3, 12, 15, 18, 19, 21 and contract study (40 hours total)

HEALTH EDUCATION (K-12): Physical Education 10, 11, 12, 50, 52, 55, 57; 58 for first teaching field; Biology 1 or 8; Human Ecology 20; Psychology 3 (29 hours total)

MUSIC (K-12): Music 1, 2, 6 and 7 (for non-voice majors), 8, 9, 10, 11, 12, 13, 14, 17 (voice majors only), 20, 21, 22, 25, 26, 27, 30, 31, 41, 42, 49 (4 credits minimum); 51-65 (attainment of level 8, up to 14 hours); non-keyboard majors must attain piano proficiency level 2 (up to 3 hours) (54 hours plus proficiency levels)

PHYSICAL EDUCATION (K-12): Physical Education 1 (swimming), 1 (tumbling-gymnastics), 10, 11, 12, 14, 20, 24, 26, 31, 32, 33, 38, 39, 52, 55 (42 hours total plus swimming proficiency)

2. Foundations of Education. **3 hrs.**
Introductory course in the professional sequence for all who plan to teach. Includes an early laboratory experience. A study of the philosophical, psychological, sociological, and historical foundations of education.

3. Audio-Visual Methods. **1 hr.**
Techniques of using audio-visual materials effectively in the classroom. Experience in producing selected instructional materials and operating basic audio-visual equipment. *Prerequisite:* Educ. 2.

4. Learning and Human Development. **3 hrs.**
A combination of developmental and educational psychology, including the study of the physical, cognitive, and psychosocial development of learners from early childhood through adolescence. The course concentrates on theories of learning and the application of those theories to help students learn. *Prerequisite:* Educ. 2.

8. Educational Paraprofessionalism. **3 hrs.**
A three-week field exercise (15 consecutive school days) designed to provide the education major with paraprofessional experience in a school setting. This course is offered during January or late May. *Prerequisite:* Admission into the teacher education program.

10. Media and Technology. **3 hrs.**
Provides experience in developing effective instructional techniques through the use of audio-visual materials. Additional time is required for student participation in laboratories dealing with the operation and utilization of equipment. Selection procedures are explored on a group and individual basis. *Prerequisite:* Educ. 2.

11. The Teaching of Reading. **3 hrs.**
An overview course for pre-service elementary teachers. Special attention is given to reading readiness, planning the reading lesson, skills identification, diagnosing reading difficulties, remedial reading, and types of reading materials. *Prerequisites:* Educ. 2, 4.

15. Teaching Reading in the Content Areas. **2 hrs.**
A course for pre-service secondary teachers, to help them teach reading skills directly related to their particular content areas. Emphasis on identification of students who have reading problems and the types of materials which can be used effectively in various content fields. *Prerequisites:* Admission to the teacher education program and to the professional upper-level block.

16. Developmental and Corrective Reading. **3 hrs.**
Emphasis on teaching reading comprehension, including the identification of types and appropriate uses of diagnostic reading tests, characteristics of common reading deficits among students at different grade levels, and strategies for remediation of reading problems at various grade levels. Students teach a short directed reading lesson. *Prerequisite:* Educ. 11.

23. Special Education: Exceptionalities and Human Diversity. **3 hrs.**
An introduction to the field of special education, including the diverse physical, mental, and educational characteristics of the behavior disordered, physically handicapped, learning disabled, speech and language impaired, visually impaired, hearing impaired, mentally impaired, and gifted. *Prerequisites:* Educ. 2, 4.

24. Special Education: Education of Exceptional Children. **3 hrs.**
A survey of classroom management and behavior modification procedures utilized in modifying specific behavioral and or academic characteristics of exceptional children in the classroom. *Prerequisite:* Educ. 2, 4, 23.

26. Special Education: Diagnosis, Prescription and Assessment Techniques. **3 hrs.**
An in-depth investigation of and involvement in the diagnosis, prescriptive and assessment techniques used in teaching exceptional children. Students have opportunities to administer formal and informal tests. *Prerequisites:* Educ. 23, 24.

30, 31. Curriculum of Pre-School Education I, II. **Each 3 hrs.**
Emphasis to be placed on interrelatedness of subject matter areas — language arts, sciences, social studies, safety and health, and the creative arts. The developmental sequence and suggested teaching activities and experiences will be discussed in each area. During the first semester an emphasis will be placed on the interrelatedness of early childhood characteristics and the teaching-learning process. Includes field experience. *Prerequisites:* Educ. 2, 4.

32. Organization and Administration of Pre-School Education. **3 hrs.**
Emphasis will be placed upon details essential to the organization of an appropriate program for children — records and reports, physical facilities and equipment, working with exceptional children, and the role of the parent. *Prerequisites:* Educ. 30, 31.

41. General Methods of Teaching in the Elementary School. **5 hrs.**
Emphasis is placed upon development of teaching aids, integration of subject matter, learning activities, and variety of teaching strategies. *Prerequisite:* Admission to the teacher education program and professional upper-level block.

43. Methods of Teaching Social Studies. **2 hrs.**
A course designed for pre-service elementary school teachers. The dominant concepts, skills, and methodology related to the teaching of social studies are emphasized. Attention is given to lesson and unit planning and learning activities, as well as selection of materials and resources needed to implement those plans at the appropriate age and grade level of the learner. *Prerequisites:* Educ. 2, 4; Div. 3.

45. Classroom Management for Elementary Teachers. **2 hrs.**
A course designed to provide pre-service teachers with skills for effective classroom decision-making, including how to structure a classroom climate that promotes student learning. Topics emphasize planning for instructional delivery, instructional strategies, discipline, parent conferences, assessment, school records, school law, scheduling and student motivation. *Prerequisite:* Admission to professional upper-level block.

47. Student Teaching in Early Childhood Education (K-4). **4 hrs.**
48. Student Teaching in Middle Childhood Education (5-8). **4 hrs.**
49. Student Teaching in Early/Middle Childhood Education.* **4 hrs.**
A five-week teaching experience in classrooms appropriate to the certification sought, under the supervision of a selected professional teacher. Total involvement in the school program is obtained by all-day assignment to teaching responsibilities. Observation, reports, preparation of lesson plans, group and private conferences and analysis of child growth and development are stressed. *Prerequisite:* Successful completion of upper-level block.

**Only for students seeking K-12 endorsement in art, music, physical education, health, or specific learning disabilities.*

59. Public Education and School Nursing. **3 hrs.**
Taught jointly with the nursing department, an introduction for baccalaureate nursing students, practicing school nurses and registered nurses interested in careers in the field to the rationale, components and processes of school nursing in the public education setting. *Prerequisite:* Nursing 12.

60. Special Methods. **2 hrs.**
A course designed for pre-service secondary teachers. Methods for teaching in various specialized teaching fields are examined. Students register for the applicable section (e.g., English, Science). Attention is given to lesson and unit planning with selection of appropriate age level materials. *Prerequisite:* Admission into the teacher education program.

61. Principles and Methods of Teaching in Secondary Schools. **3 hrs.**
A survey of the purposes and problems of secondary education combined with approved management techniques, teaching methods, and measurement and evaluation. *Prerequisite:* Admission into the teacher education program and professional upper-level block.

62. Classroom Management for Secondary Teachers. 2 hrs.
An introduction to methods and practices for developing effective classroom management systems for the beginning teacher. Emphasis is placed on two areas: management of the instructional program and management of student activities. The teacher candidate will be assisted in developing plans for effective classroom management which complement the instructional process and assist students to self-regulate their learning and behavior. *Prerequisites:* Admission into the teacher education program and professional upper-level block.

68. Student Teaching in Adolescent Education (9-12). 4 hrs.
69. Student Teaching in Adolescent Education (9-12). 8 hrs.
A five-week (4 hrs.) or ten-week (8 hrs.) teaching experience in classrooms appropriate to the certification sought, under the supervision of a selected professional teacher. Total involvement in the school program is obtained by all-day assignment to teaching responsibilities. Observation, reports, preparation of lesson plans, group and private conferences, and analysis of child growth and development are stressed. *Prerequisite:* Successful completion of upper-level block.

70. Special Education: Introduction to Specific Learning Disabilities. 3 hrs.
Survey course designed to acquaint the student with the historical development, etiology, and characteristics of the field of learning disabilities. *Prerequisites:* Educ. 23, 24, and admission into the teacher education program.

71. Special Education: Teaching Strategies for Specific Learning Disabilities. 3 hrs.
Techniques utilized in teaching the learning disabled. Includes technology as it relates to methods, how to use specific instructional approaches, and how to modify existing curricular methods to meet individualized needs. *Prerequisites:* Educ. 23, 24, 70, and admission into the teacher education program.

72. Special Education: Applied Practicum in Specific Learning Disabilities. 3 hrs.
A field research experience to involve the teacher trainee actively in instructional strategies, remediation, methodology, and materials utilized and required in the education of the learning disabled. *Prerequisites:* Educ. 23, 24, 70, 71, and admission into the teacher education program.

73. Special Education: Student Teaching Experience in Specific Learning Disabilities. 4 hrs.
A minimum five-week full-time student teaching experience in a public school with a qualified teacher certified in learning disabilities. The opportunity to blend theory into practice through application of learned concepts and instructional approaches. *Prerequisites:* Educ. 23, 24, 70, 71, 72, and successful completion of the upper-level block.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Engineering Physics

See Physics and Engineering for description of major program.

English

Saunders, Baldwin, Creasman, DeFoe, Mallory, I. McKinney, Norvell, O'Brien

Literature and writing should be an integral part of every student's program. Thus, the English faculty seeks to provide courses suitable for all students. Central to its curriculum is the creation of an atmosphere of open inquiry where students and faculty can work together toward greater understanding and appreciation of literature and writing.

The program's aims embrace the best in classic and contemporary literature. The courses are directed toward students in liberal arts, teaching, business, government, and the sciences, and those who intend graduate study in law, medicine, and the ministry. The faculty also encourages students to choose English as a valuable minor area of study.

To accommodate student needs and goals, the English faculty offers an English major with three concentrations or "tracks": a literature concentration for those who want a "general" degree in literary studies or seek to pursue graduate study; a writing concentration for students who wish to enter journalism, freelance writing, or a field where writing skills are in high demand; and a teaching concentration, for those seeking certification as teachers.

Requirements for Major:

37-40 hours above Composition, including core courses and requirements for one concentration as prescribed below. One course must have a strong international component. Departmental advisors can provide lists of approved electives and courses which will fulfill international component and pre- and post-1870 literature requirements.

Core Requirements (16 hours): English 14, 15, 25, 32, 48.

Literature Concentration (21 hours): English 31 or 34; English 35; one additional course dealing with literature before 1870; two additional courses dealing with literature after 1870; 6 hours of electives selected from English offerings except courses 1 and 10.

Writing Concentration (21 hours): 12 hours of writing courses selected from English 4, 9, 11, 12, 13, Autobiography and Journal Writing, and Communication 37; 9 hours of electives selected from English offerings except writing courses and courses 1, 2, 3, and 10.

Teaching Concentration (24 hours): English 11, 16, 17; English 31 or 34; one additional course dealing with literature before 1870; two additional courses dealing with literature after 1870; a three-hour elective selected from English offerings except Composition. See Education for additional requirements for teacher certification.

Requirements for English Minor:

15 hours in English above basic composition.

Requirements for Writing Minor:

15 semester hours above basic composition, culminating in a 3-hour practicum in writing. Remaining hours to be selected from writing courses: English 4, 9, 11, 12, 13; Communication 37; Autobiography and Journal Writing.

1. Composition. **3 hrs.**
A general course in expository writing, emphasizing skills in composition, grammatical construction, organization, and research techniques. Students are required to earn a C or better in Composition in order to graduate. (May be exempted through testing.)

2. Introduction to Poetry. **3 hrs.**
An introductory course which encourages the student to consider poetry from a variety of periods and cultures and to learn something of prosody, poetic forms, and the language of poetry. Not open to writing concentration majors. *Prerequisite:* English 1.

3. Short Fiction. **3 hrs.**
A wide-ranging genre study of short prose works, from the short story to the novella, with attention to both American and international writers. Not open to writing concentration majors. *Prerequisite:* English 1.

4. Introduction to Creative Writing. **3 hrs.**
A workshop course in which students explore several modes of writing — poetry, prose, or drama. Students examine works by master writers, complete assignments, and submit their own work for class review. *Prerequisite:* English 1.

9. Writing for the Print Media. **3 hrs.**
A study of sound journalistic practice in the print media. A hands-on course designed to improve the student's ability to interview, do research, and write editorials, news stories, and feature articles for newspapers and magazines. *Prerequisite:* English 1.

10. Introduction to Literature. **3 hrs.**
An introductory course devoted to an understanding of poetry, fiction, and drama, with attention to methods of presentation, elements of literature, and content. Not open to English majors. *Prerequisite:* English 1.

11. Advanced Composition. **3 hrs.**
An advanced course in composition. Students practice and develop their skills in exposition, narration, description, and argumentation. *Prerequisite:* English 1 or permission of the instructor.

12. Creative Writing: Poetry. **3 hrs.**
Informal workshop course which concentrates on writing poetry and provides a helpful and critical audience for the student's work. *Prerequisite:* English 1.

13. Creative Writing: Fiction. **3 hrs.**
Informal workshop course which concentrates on writing fiction and provides a helpful and critical audience for the student's work. *Prerequisite:* English 1.

14. England, The Heritage. **4 hrs.**
A survey of major works by British writers, from Beowulf to the present, in their historical, cultural, and literary contexts. *Prerequisite:* English 1.

15. American Classics. **4 hrs.**
A survey of major works of American writers, from Bradford to the present, in their historical, cultural, and literary contexts. *Prerequisite:* English 1.

16. Early Classics of Western Literature. **3 hrs.**
An exploration of early masterpieces of Western literature, from Homer, Greek drama, and Virgil to Dante. *Prerequisite:* English 1.

17. Modern World Literature. **3 hrs.**
A far-reaching study of modern world writing, investigating significant works from Europe, Asia, and the Americas. *Prerequisite:* English. 1

21. Eighteenth Century British Literature. **3 hrs.**
The literature of England in the eighteenth century, with special emphasis on the prominent authors and dominant literary forms (excluding the novel) of the neoclassical tradition. *Prerequisites:* English 1 and English 14 or instructor's permission.

22. British Romantic Literature. **3 hrs.**
An intensive study of the representative works of the Romantic period, with special attention given to the historical, cultural, and intellectual backgrounds of the literary theory. *Prerequisites:* English 1 and English 14 or instructor's permission.

23. British Victorian Literature. **3 hrs.**
A study of the major poets and prose writers of the Victorian period with consideration of their reaction to the social, economic, political and aesthetic problems of the nineteenth century. *Prerequisites:* English 1 and English 14 or instructor's permission.

25. The English Language. **3 hrs.**
The history of the English language and its modern evolution, with attention to varying analysis of its structure and grammar. Required for all English majors. *Prerequisite:* English 1.

27. Studies in the Novel. **3 hrs.**
A study of representative novels illustrating the development and relevance of form, theme, and historical significance in literature. *Prerequisite:* English 1.

31. The Age of Chaucer. **3 hrs.**
The poetry of Chaucer as it developed from Middle English literature under the influence of the French and Italian Renaissance. This course will also address other writers of Chaucer's time, the origins of the ballad, and the beginnings of English drama. *Prerequisite:* English 1.

32. Shakespeare. **3 hrs.**
A study of representative plays: comedies, histories, tragedies and romances against the background of the Elizabethan age. *Prerequisite:* English 1.

33. Fiction since 1945. **3 hrs.**
An inquiry into themes, techniques, and directions of prose fiction in our time, with attention to both American and international writers. *Prerequisite:* English 1.

34. The Age of Milton and Spenser. **3 hrs.**
A study of major works of Milton and Spenser, with additional consideration of poets and prose writers of the English Renaissance and Reformation. *Prerequisite:* English 1.

35. Critical Approaches and Literary Analysis. **3 hrs.**
A survey of critical approaches to literature from the ancient to the contemporary. Students will consider a variety of texts and develop their skills as critics. Required of literature concentration majors. *Prerequisite:* English 1.

36. Twentieth Century Poetry. **3 hrs.**
Close reading and study of significant American and British poets and poetic movements of the twentieth century. *Prerequisite:* English 1.

37. Twentieth Century Prose. **3 hrs.**
Through detailed study, this course seeks to acquaint students with the significant fiction and prose masterworks of our century. *Prerequisite:* English 1.

38. Contemporary Poetry. **3 hrs.**
A study of contemporary American and British poetry, beginning with the end of World War II and moving to present day poetry and poetic trends. *Prerequisite:* English 1.

48. Senior Thesis. **2 hrs.**
Guided by department faculty, individuals or groups of students will create a course, project or study relevant to literary studies or literary life. The students will present the material to the assembled majors, minors, and faculty. Required of English majors in their senior year.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

English Proficiency

Wesleyan offers English-language instruction for non-native speakers who seek to improve language proficiency for a variety of reasons, chief among them being to participate fully in an academic program of higher education. International students are expected to have achieved a TOEFL score of 450 to enroll in these courses. English proficiency courses count as developmental credits. No more than six hours of English proficiency studies may be applied toward a degree.

10, 11. Fundamentals of Composition I, II. **Each 3 hrs.**

16, 17. Speaking and Listening I, II. **Each 3 hrs.**

20. Writing Practicum. **1 hr.**

21. Speaking Practicum. **1 hr.**

26. Language Development. **1 hr.**

Fashion Merchandising

See Human Ecology for description of major and minor programs.

Government

Morrissette, Bright, R. Rupp

The undergraduate degree in government provides a suitable foundation for the student who wishes to obtain an advanced degree in political science, public administration, and other disciplines within the social sciences. The pursuit of a future degree in Law is another frequent goal of the undergraduate major.

The degree in government can lead to employment opportunities in government service on all levels, including the diplomatic service; in research organizations; in social advocacy and lobbying programs; in journalism and specialized writing and editing; in full-time professional campaign organizations; as well as to the holding of elective or appointive office.

Requirements for Major:

24 hours in the discipline. Philosophy 3 (Political Philosophy) may be credited toward a government major or minor.

Requirement for Minor:

15 hours in the discipline.

1. American Federalism. **3 hrs.**
An analysis of the interaction of citizens and institutions of the United States in the formation, implementation, and adjudication of public policy at the national level.

2. State and Local Government. **3 hrs.**
A comparative analysis of governments on the local, county, and state levels in the United States, and their interrelationship in the American Federal System.

5. Contemporary Political Science. **3 hrs.**
A general introduction to the discipline of political science. *Offered in alternate years.*

10. Public Administration. **3 hrs.**
A study of the theory and practice of public administration in the United States — national, state and local.

12. Politics of Social Policy. **3 hrs.**
The dynamics of the political process in the development of social policies and services toward meeting human needs, including housing, health and education. Emphasis upon the policy-making process, the role of non-governmental organizations, techniques of analysis and evaluation of social policy, social advocacy, and the ethical bases of policy options. Global perspective on issues concerning the elderly and women. *Prerequisite:* Upper level standing.

13. Parties and Elections. **3 hrs.**
A description and critical analysis of the American political process, focusing on the formation of political beliefs, the development of political parties, and trends in recent electioneering practices.

14. The Presidency. **3 hrs.**
An examination of the American presidency and those individuals who shaped its evolution. The problems and issues raised as the institution developed will be studied within a biographical and historical framework, and consideration will be given to social science perspectives on the place and role of the presidency as it reflects and affects American society and values.

15. Constitutional Law. **3 hrs.**
A course in the legal principles of the Constitution of the United States as interpreted by the courts. The case method is used.

20, 21. Comparative Developed States. **Each 3 hrs.**
A comparative examination of government and politics in selected countries and areas which are generally considered to have high levels of political and economic development, such as England, France, Germany, and the Soviet Union.

22, 23. Comparative Developing States. **Each 3 hrs.**
A comparative examination of the institutions and processes of government and society in selected developing countries and areas, such as India, Southeast Asia, Africa and Latin America.

27. International Relations I. **3 hrs.**
Formulation and execution of foreign policy with emphasis on American foreign policy; policy-making processes; main lines of foreign policy since 1945; relationships with the Soviet Union, Europe, China and the "third world."

28. International Relations II. **3 hrs.**
Theory of international relations; basic factors affecting the position and policies of states, such as geography and demography; nationalism; imperialism; technological and economic factors; conflicting ideologies; instruments of foreign policy, such as diplomacy, propaganda, military power and economic and military assistance; international law and international organization.

30, 31. Political Theory. **Each 3 hrs.**
Reading, discussion and analysis of selected political and social theories from ancient times to the present.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

History

H. Coston, Cresswell, Hunt, Mahoney, R. Rupp

The history curriculum is designed to encourage students to read critically, think creatively, research thoroughly, and write effectively. The department encourages students to explore the American past, the European heritage, and Non-Western cultures. A major in history is an excellent foundation for graduate study in law, theology, the humanities, and social sciences. History graduates have found rewarding careers in journalism, research and writing, archival and museum work, teaching, and government service.

Requirements for Major:

30 semester hours taken in the department. The course offerings are given in three fields — United States, European, and Non-Western. A minimum of six hours is required in each of the three fields. The U.S. requirement will be met by History 2 and 1, 3 or 4. The European requirement will be met by History 22 and any one of the following: 21, 23, 24, 25, 26, 29. The Non-Western requirement will be met by History 41 and any one of the following: 42, 43, 44, 45, 46, 47, 49. The remainder of the 30 hours may reflect the student's interests.

History majors are urged to take at least six hours of a foreign language.

Credit for survey courses 1, 2, and 21, 22 may be established by passing the appropriate College Level Examination Program (CLEP) examinations. No more than six hours of exam credit can be applied toward a major.

Requirements for Minor:

15 semester hours, including 2, 22 and any course from the Non-Western area. No more than three hours of exam credit can be applied toward a minor.

United States History

1, 2. History of the United States I, II. **Each 3 hrs.**
A survey of the history of the United States (I) from the discovery of America through the Civil War and (II) from the Reconstruction to the present. Emphasis on social, political, and economic developments.

3. Topics in Early American History. **3 hrs.**
A problems approach to the study of political, social, economic, and cultural aspects of American civilization. The course will be set in the context of American history during the colonial, revolutionary, and early nation periods. *Prerequisite:* History 1 or permission of instructor.

5. Civil War and Reconstruction. **3 hrs.**
An analytical study of the social forces, events and personalities involved in the disruption of the Union and its reconstruction (from 1840 to 1876). *Not open to freshmen.*

8. West Virginia: the Mining State. **3 hrs.**
A study of the coal industry and its economic, social, and political influence on the history of West Virginia; designed for teachers of Social Science and individuals interested in the affairs of this state and its region.

10. Intellectual and Social History of the United States Since 1865. **3 hrs.**
An investigation into patterns of thought in the changing American society from the Civil War to the present. Areas covered include Evolutionary Naturalism, Naturalistic Thought, Progressivism, the Twenties, the Great Depression, the New Deal, the post-war years, and the nation since 1960. *Not open to freshmen.*

11. American Minorities Groups Since 1865. **3 hrs.**
A study of the experiences of racial and ethnic minority groups in America during the hundred years after the Civil War, when America was becoming increasingly urbanized. Among the topics studied are African-American office-holding during the Reconstruction, white conflicts with Indians, the experience of Asian Americans, and Jim Crow segregation and black voting rights in the 1950's and 1960's.

12. Makers of the Modern World. **2 hrs.**
A seminar covering theories of the role of the individual in history, with representative U.S. and European leaders studied as persons in the context of their times. Some biographies are read and discussed in class, and others developed through outside readings. *Not open to freshmen.*

13. American Labor and Radicalism. **3 hrs.**
A study of the forces that influenced the rise of labor, including the history of organized labor, craft unionism and collective bargaining, labor-management relations, and labor law. Attention also to various radical groups and political parties founded by laboring persons, including the anarchists, the I.W.W., and the Socialist Party. Assessment of the efforts of American labor to gain and maintain power in a diverse society. *Not open to freshmen except with permission of instructor.*

14. The United States, 1900-1940. **3 hrs.**
A study of political trends from McKinley through the New Deal; economic policies under conservative, progressive and New Deal leadership; and foreign policies such as imperialism, the entry into World War I, peace-making after the war, isolationism, and responses to the events leading to World War II. *Offered in alternate years.*

15. Recent History of the United States. 3 hrs.
An analysis of American society emphasizing the role of leadership, policy-making, and events of our foreign and domestic involvements since 1940. *Offered in alternate years.*

17. The African-American Experience in America. 3 hrs.
Description under Sociology 17.

18. The Law in American History and Life. 3 hrs.
A survey of American legal history, tracing the influence of the law on everyday life and its impact on social and political history. Includes criminal law and the desire to enforce conformity to government policy, resistance to the laws, the changing role of attorneys in society.

European History

21. History of Western Civilization I. 3 hrs.
Survey of Western Civilization from beginning to the close of the religious wars of the Reformation. Concentration on its political, social, economic, intellectual and artistic aspects for an understanding of world civilization today.

22. History of Western Civilization II. 3 hrs.
Survey of Western Civilization from close of the sixteenth century to the nuclear age. Concentration on its various aspects as in 21.

23. Ancient History. 3 hrs.
A study and comparison of the classical age of Greece (especially the Age of Pericles) and of Rome (especially the Age of Augustus). Each society is looked at as a whole through its political, economic, social, religious, literary and artistic manifestations.

24. Medieval History. 3 hrs.
A study of the developments in medieval arts and society in Europe with emphasis on the period between the tenth and fifteenth centuries.

25. Renaissance History. 3 hrs.
A study of artistic, political and religious developments in Renaissance Europe with emphasis on Italian Humanism and the Renaissance north of the Alps.

26. Reformation History. 3 hrs.
A study of the religious, political, and cultural developments in the Reformation with emphasis on sixteenth century Germany and Switzerland, and including developments to 1648.

27. History of Modern Germany. 3 hrs.
The nature of Prussian society, the rivalry between Prussia and Austria for the command of German affairs, the quality of Prussian leadership in the German Empire of 1871-1918, the politics and culture of the Weimar Republic, Nazi totalitarianism, and the reshaping of East and West Germany since the Second World War.

28. History of Modern Russia. 3 hrs.
The history of Russia from 1796 to the present with special emphasis on the confrontation with the West, the decline and fall of Russian autocracy, the evolution of reform thought and revolutionary opposition, the revolution of 1917, subsequent transformation, the Marxian dream, and the Soviet reality.

29. History of England to 1700. 3 hrs.
From the Roman conquest to 1700. Emphasis on the development of the common law, common law courts, Parliament and the monarchy against a background of social, cultural, and economic development. *Suggested for prelaw and political science as well as history students. Not open to freshmen.*

30. Britain: Yesterday and Today. 3 hrs.
English history from 1700 to the present, with special emphasis on the character of social relations, the impact of industrialization, the capacity of the aristocracy, the creation of empire, and the decline of the realm.

32. Power and Values. 3 hrs.
An examination of the acquisition, organization and uses of power; the generation of values and value ends toward which a society uses its power; a comparative study of the age of Louis XIV and the era of Franklin D. Roosevelt; emphasis on the similarity of problems and limitation of means in their resolution in each age. *Not open to freshmen.*

33. French Society Since 1760. 3 hrs.
A consideration of the causes of political instability, the revolutionary tradition, the evolution of French society and culture, and the development of a peculiarly French view of the world in the modern era.

34. Early Modern Europe. 3 hrs.
Intellectual and social structure, 1648 to 1789; dynamics of social and political change, principles of authority and bases of revolution from the Reformation to the French Revolution.

35. History of Europe, 1789-1890. 3 hrs.
An examination of European history from the French Revolution and Napoleonic Era to the coming of the Golden Age. The revolutionary tradition and the upheavals of 1848, the impact of modernization and industrial progress, the development of the modern nation-state, and the growing pressures on domestic politics and the international system arising from nationalism and imperialist expansion.

36. History of Europe, 1890 to the Present. 3 hrs.
European society from the prosperity and optimism of La Belle Epoque to the reconstruction of Europe in the nuclear age. Topics include the origins and impact of the First World War, the political and economic instability of the inter-war years, the development of totalitarian ideologies, the cataclysm of the Second World War, and the decline of Europe as the center of world power.

Non-Western History

41. Introduction to the Non-Western World. **3 hrs.**
An introduction to selected traditional societies before their contacts with Western Civilization during the 19th Century. The use of novels and audio-visuals supplements texts and lectures to gain an understanding of the common person's village life as well as the Great Tradition of these civilizations.

42. History of Africa. **3 hrs.**
A study of sub-Saharan Africa, especially since 1800, including: the slave trade and its impact on traditional societies, the European scramble for African territories and African reactions, colonial administrations, economic changes, nationalism and independence movements, problems and trends of African nations since independence. *Not open to freshmen.*

43. History of East Asia. **3 hrs.**
A study of the contrasting patterns of Chinese and Japanese modernization since the mid-nineteenth century. *Not open to freshmen.*

44. People's Republic of China. **3 hrs.**
A study of issues in Chinese history since 1949, such as the balance between continuity and change, between ideology and practical considerations, and between domestic and foreign policies. *Not open to freshmen.*

45. Japan Since 1945. **3 hrs.**
A study of Japan as a unique modern society, beginning with its recovery and new national direction after World War II, political, economic and social trends within Japan and its changing international position.

46. History of Latin America. **3 hrs.**
A study of Latin America from the period of discovery to the present. Emphasis on the period since 1800 with special attention to relations between Latin American countries and the United States. *Not open to freshmen.*

47. History of Mexico. **3 hrs.**
A study of Mexico from its discovery to the present time. Pre-hispanic and post-hispanic Indian cultures; Spanish culture and institutions of the Colonial Period; the Independence Period. Emphasis on social, political and cultural developments, with attention to relations with the United States. *Not open to freshmen.*

48. Arabs and the Middle East. **3 hrs.**
Historic and sociological perspectives on the Middle East, including dynasties and empires, Islam and its sects, the invasion by Western nations, the growth of Arab nationalism, the collapse of the Ottoman Empire and the carving up of the Levant, the emergence of Zionism and the conflict between Palestinians and the nation of Israel, the role of Britain and the United States in the region, the chaos in Lebanon, and the Iran-Iraq war. May be credited toward a major or minor in Sociology.

49. Modern Imperialism. **3 hrs.**
A study of "modern" imperialism between 1850 and 1960, and new patterns of international dominance emerging since 1960. The course centers on the forces giving rise to imperialism, the various ideologies and administrative patterns developed, and the forces leading to its decline and transformation. *Not open to freshmen.*

55. China After Mao. **3 hrs.**
A study of 1976 as a turning point in China after the death of Mao Zedong, the transition period under Hua Guofeng, and the rise of Deng Xiaoping; followed by emphasis on Deng's reforms since 1978, resulting achievements and problems, and related policies including foreign policy and the suppression of protests. *Not open to freshmen.*

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Human Ecology

Halverson, Petitto

The curriculum in human ecology provides preparation for those wishing to enter professional careers and graduate school in areas of human ecology including such diverse fields as dietetics, consumer advocacy and fashion merchandising. Human ecology synthesizes knowledge drawn from its own research, from the physical, biological, and social sciences, and from the arts and applies this knowledge to improving the lives of families and individuals. It is the purpose of the curriculum to develop competency in utilizing both human and material resources to foster the well-being of people. For this reason, most courses offered in the department are open to all Wesleyan students if prerequisites are met. This department has well-equipped laboratories and lecture rooms.

The program in human ecology enables students planning to teach in the middle school or high school to meet requirements for vocational certification in home economics (Consumer and Homemaking Education). Wesleyan is the only private college in the state with an approved program leading to this certification.

The major in nutrition offers options in dietetics or in general nutrition. Students completing the dietetic program, an American Dietetic Association (ADA) Approved Didactic Program in Dietetics, are eligible to apply for an ADA Accredited Internship or an ADA Approved Preprofessional Practice Program (AP4). Completion of an Accredited Internship, an AP4, or a graduate program in nutrition which includes an AP4 qualifies the graduate to take the examination to become a registered dietitian.

A major in fashion merchandising prepares students for careers in the fashion business, including marketing, sales, and promotion. Students become fully versed in fashion terminology, fabric, color and design, and receive a comprehensive background in distribution channels of the ready-to-wear industry, product and price decisions, promotion and target market determination. Studies include consumer behavior patterns and reactions and information for men and women who wish to become entrepreneurs in the fashion business.

Requirements for Major in Human Ecology:

34 semester hours in human ecology including 2, 20, 21, 30, 31, 40, 41, 45, 50, 53, 56. Students interested in professional careers or in entering graduate school should consult the faculty in the department about the selection of additional courses.

Requirements for Minor in Human Ecology:

15 semester hours in human ecology, including 2, 21, 30, 40, 53.

Requirements for Major in Nutrition:

Dietetic Emphasis (meets requirements for ADA accredited internship program): Human Ecology 40, 41, 42, 44, 45, 46, 47, 48, 49, 56, 58; contract study in Institutional Equipment; contract Field Study in Nutrition; Chemistry 1, 2, 21, 22, 41; Biology 1, 9, 10, 13; Business 60; Education 60; Psychology 1, 13, 24, 25; Sociology 2; Computer Science 1; Psychology 21 or Sociology 29.

General Nutrition Emphasis: 33 semester hours in human ecology including 21 (or Psy. 3 or 24-25), 40, 41, 44, 45, 46, 49, 53, 56, plus elective hours from 42, 43, 47, 48, 88; Biology 1, 2, 13; Chemistry 5, 6.

Requirements for Minor in Nutrition:

15 semester hours in human ecology, including 21 (or Psy. 3 or 24-25), 41, 44; plus electives from 40, 42, 43, 45, 46, 47, 48, 49, 53, 56, 88.

Requirements for Fashion Merchandising Major:

27-28 semester hours in human ecology including 2, 30, 31, 32, 34, 35, 37, 52, 53, 2-hour elective in clothing or textiles and Internship in Fashion Merchandising plus the following in related departments: Psychology 1; Sociology 2; Business 1, 60, 70, 73; Art 23 or 24, or 15 or 18; Computer Science 1.

Requirements for Fashion Merchandising Minor:

18 hours including Human Ecology 2 (Art majors may substitute Art 5, 6), 31, 35, elective in clothing and textiles; Business 1, 73.

2. Design. **3 hrs.**
Practical applications of color and design in everyday life, specifically as related to clothing, home furnishings, housing and textiles. *Prerequisite:* Major or minor in the department. *Not open to students who have had Art 5 or 6.*

20. Personal and Family Living. **3 hrs.**
An exploration into personal and family relationships in our society as they affect today's young adult. Includes study of courtship, husband-wife and parent-child relationships.

21. Child Care and Development. **3 hrs.**
A study of all aspects of the care and development of the child from conception through age nine with emphasis on the knowledge and guidance of young children in their emotional, social, intellectual and physical development.

22. Consumer Economics. **2 hrs.**
A study of consumerism to enable students to make appropriate judgments about purchases of goods and services. Emphasis is on consumer protection and behavior.

30. Apparel Construction. **2 hrs.**
An elementary course in basic principles of clothing construction techniques and skills including pattern fitting and alteration. *Offered fall semester.*

31. Apparel Selection. **3 hrs.**
An examination of the aesthetic, economic, physiological, psychological, and sociological factors involved in apparel selection. Includes the acquisition and use of clothing and consumer responsibilities and protections. *Offered spring semester.*

32. Textiles. **3 hrs.**
A study of fibers, yarns, weaves, fabrics, finishes, and testing procedures. Includes end-uses of fibers and fabrics, their characteristics, how to choose wisely, what to expect and how to care for specific fabrics. *Offered spring semester.*

33. Tailoring. **3 hrs.**
Principles of detailed and tailored finishes and problems of fitting and time management in the construction of a suit or coat. *Prerequisite:* Human Ecology 30 or permission of instructor. *Offered as required.*

34. Visual Merchandising. 2 hrs.
A study of the basic elements and principles of design as they relate to merchandise and its presentation in terms of image, market, customer, concept, locations, and objectives. Practical experience in planning and executing functional displays. *Prerequisite:* Human Ecology 2, 31 and 35 and junior or senior standing. *Offered spring semester.*

35. Fashion and Apparel Industry. 3 hrs.
Factors affecting the origin and development of fashion, and the production, distribution, and promotion of fashion merchandise. A study of the ready-to-wear market and factors involved in consumer acceptance of fashion. *Prerequisites:* Human Ecology 31 or consent of instructor. *Offered fall semester.*

36. Clothing, Equipment and Housing for the Disabled and Elderly. 3 hrs.
Understanding the problems and meeting the needs of persons whose physical conditions necessitate the use of specially designed or adapted clothing, equipment and housing to achieve maximum independence in daily living. *Prerequisite:* Sophomore standing.

37. Fashion Innovation and Analysis. 2 hrs.
An integrative study of the fashion variables utilized in fashion analysis and forecasting. *Prerequisite:* Human Ecology 31 and 35 and junior standing. *Offered alternate spring semesters.*

38. New York Fashion Merchandising Tour. 3 hrs.
A travel course to broaden the scope of experience and understanding in the areas of fashion, apparel industry, business, and the arts. Visits to major business institutions, manufacturing firms, showrooms, merchandise shows, retail establishments and museums with opportunities to attend the theatre, ballet, etc. *Prerequisite:* Sophomore standing. *Offered in alternate years.*

40. Food Science. 4 hrs.
A study of the structure of basic ingredients and the various effects they have on one another when blended together to form products. *Offered fall semester, even years.*

41. Fundamentals of Human Nutrition. 3 hrs.
An introductory study of the individual nutrients in respect to digestion, absorption, metabolism, body needs and food sources. This information is applied through study of the life cycle. *Offered fall semester.*

42. Experimental Foods. 2 hrs.
Experimentation with selected food ingredients, techniques, and equipment. Opportunity for directed study in an individually chosen area. *Prerequisite:* Human Ecology 40. *Offered fall semester, odd years.*

43. Cultural Aspects of Foods. 2 hrs.
An historical approach to the importance of foods in today's world. A consideration of food availability, preparation, and the social, cultural and economic implications and nutritive adequacy. *Offered in alternate years.*

44. Advanced Human Nutrition. 3 hrs.
A study of human nutrition, including the chemistry of food nutrients, digestion, absorption, and metabolism. Principles of human nutrition applied to individual, family, community, and world problems. *Prerequisites:* Human Ecology 41; Biology 9, 10 and Chemistry 41 or consent of instructor. *Offered spring semester.*

45. Meal Management. 2 hrs.
Management of the selection of food, and the planning, preparation, and serving of family and guest meals, with attention to cultural influences and to resources such as time, money, energy and equipment. *Offered spring semester, even years.*

46. Diet Therapy. 3 hrs.
Study of diet in pathological conditions, stressing its importance in diseases that can be prevented and/or treated by proper diet. *Prerequisite:* Human Ecology 44 or consent of instructor. *Offered fall semester, odd years.*

47. Quantity Food Production. 3 hrs.
Problems in purchasing and preparing food for large groups. Practical experience in planning, preparing and serving. *Offered spring semester, odd years.*

48. Institutional Organization and Management. 3 hrs.
A study of personnel administration, financial management, equipment, and efficient operation of food service in institutions. *Offered fall semester, even years.*

49. Community Nutrition. 2 hrs.
An integration of knowledge from the natural, social, and behavioral sciences with application to the nutrition-related problems in the community. *Offered spring semester, even years.*

50. Home Equipment. 2 hrs.
Principles of operation, performance, selection, and care of home equipment.

51. Housing. 2 hrs.
Study of factors and problems involved in choice of housing for the family; evaluation of dwelling units in terms of family needs and values; considerations in buying, building, and renting. *Offered in alternate years.*

52. Interior Design. 2 hrs.
A study of the selection of furnishings for the home in relation to interests, activities, needs, quality, economy, aesthetics, and individuality. *Offered in alternate years.*

53. Personal and Family Management. 3 hrs.
A study of the management process and decisions involving the use of family resources to achieve personal and family goals. *Offered fall semester, odd years.*

56. Communications in Human Ecology. 2 hrs.
Study, development, demonstration and evaluation of effective methods of communicating general and specialized information to the professional and the general public. *Offered spring semester, even years.*

58. Professionalism in Dietetics. 1 hr.
Exploration of the Code of Ethics, Standards of Practice, and Standards of Professional Responsibility that have been developed as guides to assist dietitians in performing in a professional manner. Review of current issues. *Prerequisite:* Dietetics major or permission of instructor. *Offered spring semester, odd years.*

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

International Studies

The interdisciplinary international studies major provides a broad liberal arts foundation, a basic knowledge of foreign cultures, and an opportunity to concentrate in studies of one or more geographic regions. This major prepares students for graduate study, a position in a multi-national corporation, international social service such as the Peace Corps or church-related mission work, or work with an international foundation or volunteer agency.

Travel and study abroad programs are encouraged. Credit for such programs may be applied toward the major if approved in advance. International studies majors are encouraged to participate in the International Student Organization while on campus.

Core Requirements (18 hours)

Eco. 10, 11	Principles of Economics I, II
Div. 38	World Geography *or* Eco. 31 Comparative Economic Systems
Gov. 1	American Federalism
Gov. 27, 28	International Relations I, II

Sociology Electives (9 hours)

Soc. 1	Introduction to Anthropology
Soc. 41	Cultural Anthropology
Soc. 12	Sociology of Change and Development
Soc. 18	Women in Social Transition
Soc. 24	Racial and Ethnic Minorities
Soc. 26	Population and Society
Soc. 27	Conflict and Conflict Resolution
Soc. 35	Perspectives on Aging

Foreign Language (6 hours minimum in one language; additional hours highly recommended)

Regional Concentration (18 hours from one option, including 9 hours in history and 9 hours in other areas)

OPTION A: ASIA
History 41, 43, 44, 45, 49, 55
Government 22; Philosopny 50;
Religion 25, 26

OPTION B: EUROPE
History 23, 24, 25, 26, 27, 28, 30, 32, 33, 34
Art 18, 23, 24; English 14, 16, 17, 21, 22, 23;
Government 12, 20; Philosophy 15, 20

OPTION C: GENERAL
Courses listed in Options A and B, plus courses dealing with other geographic regions such as Africa, Latin America, Middle East. At least three courses must be from a single country or region. Selection must be made in consultation with the international studies advisor.

Senior Paper or Comprehensive Examination (Choice to be made in consultation with the advisor)

Library Science

Crutchfield, Martin, Nowak

The Department of Library Science aims to familiarize students with the full range of library services available today and to improve skill in evaluating, selecting, and using the best sources for their information needs. This is accomplished through regular library science courses and instruction integrated into courses in other departments.

3. Literature for Children. **3 hrs.**
A survey of literature for children designed for teachers and librarians in elementary schools. Evaluation, selection and use of books and related materials for children. *Required for elementary teacher education.*

50. Basic Library Skills. **1 hr.**
Familiarization with the facilities and services of the West Virginia Wesleyan College Library. Introduction to selected basic reference sources through a series of exercises, each dealing with a specific type of source. A self-paced, pass/fail course useful to all students. Counts as developmental credits.

Mass Communication

See Communication and Dramatic Arts for description of minor program.

Mathematics

M. Berry, McBride, Sheppard, Wiest

The mathematics program at Wesleyan is designed to prepare students for employment as applied mathematicians in industry, for entrance into graduate school, for certification as secondary or elementary teachers of mathematics, or for a variety of careers in other disciplines which require that blend of intuition, formalism, and logic which characterizes the mathematical process.

Graduates who major in mathematics at West Virginia Wesleyan College will be able to:

1) construct appropriate mathematical models which lend to the solution of a problem or the formulation of a theory;

2) use modern formalism to represent and manipulate mathematical models;

3) prove properties of mathematical models in terms of underlying axioms or assumptions;

4) interpret the proven properties of a mathematical model in terms of the problem or theory being modeled;

5) understand the basic notions of algebra, including operations, relations, and morphisms;

6) understand the basic notions of analysis, including limits, continuity, measure, and approximation;

7) pursue further studies in one or more areas of mathematics, including applied mathematics, statistics, operations research, mathematics education, and theoretical mathematics.

Requirements for Major:

A minimum of 33 semester hours, including 20, 21, 25, 34, 40, 45, 48, 89. Electives are to be selected from courses numbered 32-48 and Computer Science 85.

Requirements for Minor:

17 semester hours, including 20 and 21. The remaining hours must be selected, with the approval of the department, from courses numbered between 25 and 48.

Teacher education: Wesleyan offers programs leading to certification in mathematics at the middle childhood and adolescent levels (see Education).

8. Developmental College Mathematics. **3 hrs.**
The arithmetic of whole numbers, fractions, and decimals. Ratio and proportions, percents; applications. Conversions within the English and metric systems. An introduction to measurements, simple graph interpretation; exponents and radicals. Emphasis throughout on calculations, applications, and problem-solving techniques. *Prerequisites:* 15 or below on ACT and/or 400 or below on SAT, or diagnostic test placement. Counts as developmental credits.

9. Developmental Algebra. **3 hrs.**
Signed numbers; linear equations and inequalities in one and two variables; the four binary operations on polynomials; factoring, fractional equations, exponents and radicals, literal equations and formula solving; an introduction to quadratic equations. Emphasis throughout on application and problem-solving techniques. *Prerequisites:* 15 or below on ACT and/or 400 or below on SAT, or MTH 008, or diagnostic test placement. Counts as developmental credits.

10. College Algebra. **3 hrs.**
Quadratic equations and systems of quadratic equations; complex numbers, linear and quadratic inequalities; binomial expansion; determinants; progressions; functions and their graphs; development of other real number system. *Offered every semester.*

11. Mathematics for Elementary Education I. **3 hrs.**
A course for elementary education majors. Sets, set operations, and solving problems using sets; systems of numeration, change of bases, the four fundamental operations of real numbers; an introduction to number theory. Emphasis throughout on both problem-solving and computational techniques, including estimations and the use of algebra. *Prerequisite:* MTH 8 or satisfactory performance on departmental skills test. Does not count toward General Studies requirement in mathematics. *Offered every fall semester.*

12. Mathematics for Elementary Education II. 3 hrs.
Euclidean geometry of the plane, including angles, lines, triangles, polygons, and circles. There will be both constructions and simple proofs. Introduction to counting techniques, probability and statistics. Emphasis throughout on problem-solving techniques, including simple algebra. *Prerequisite:* MTH 11. Does not count toward General Studies requirement in mathematics. *Offered every spring semester.*

13. Trigonometry. 3 hrs.
The trigonometric functions; identities and conditional equations; the inverse trigonometric functions; solutions of triangles; law of sines, cosines, and tangents; radians. *Prerequisite:* MTH 10, or equivalent. *Offered every spring semester.*

20. Calculus I. 4 hrs.
Analytic geometry of the plane; limits; derivatives of algebraic and transcendental functions; rules for differentiation; implicit differentiation; application of the derivative; Mean Value Theorem; introduction to the integral and its applications; antiderivatives and the Fundamental Theorem of Calculus. *Prerequisites:* MTH 10 and 13 or equivalent, and consent of instructor. *Offered every fall semester.*

21. Calculus II. 4 hrs.
Techniques of integration; polar coordinates; partial differentiation and applications; indeterminant forms; three dimensional analytic geometry; multiple integration, volumes, surface areas, cylindrical and spherical coordinates; series. *Prerequisite:* MTH 20. *Offered every spring semester.*

25. Basic Concepts of Mathematics. 3 hrs.
Designed for students planning to continue in mathematics beyond calculus. This course must be taken before the junior year. Sets, functions, and relations; formal construction of the real number system; lattices; Boolean algebra and Boolean functions; formulating and proving conjectures; mathematical induction proofs. *Pre- or corequisite:* MTH 21. *Offered every spring semester.*

32. Ordinary Differential Equations. 3 hrs.
Techniques for first-order equations, including separation of variables and exact equations; nonlinear equations; homogeneous and non-homogeneous linear equations; Wronskians and linear independence; variation of constants; solution by power series; the Legendre equation; regular singular points. *Prerequisite:* MTH 21. *Offered every fall semester.*

34. Linear Algebra. 3 hrs.
Vectors and vector spaces; linear mappings; matrices; inner products and orthogonality; norms; eigenvalues and eigenvectors. Applications stressed throughout. *Prerequisite:* MTH 25. *Offered fall semester, even years.*

36. Advanced Engineering Mathematics I. 3 hrs.
Advanced differential equation techniques; Laplace transforms, including step-function and impulse forcing functions. Fourier Series, including sine and cosine half-wave expansions and trigonometric series approximations. Fourier Integrals, including complex representation. An introduction to partial differential equations, with emphasis on solution by separation of variables. *Prerequisite:* MTH 32. *Offered every spring semester.*

37. Advanced Engineering Mathematics II. 3 hrs.
Mathematical techniques required for analysis of advanced physics and engineering problems; vector calculus, including Stokes' and divergence theorems, cylindrical and spherical coordinate systems; linear algebra, including eigenvalue problems and Hermitian matrices; complex variables, with an emphasis on standard functions and Taylor series representations; introduction to contour integration and conformal mapping. *Prerequisite:* MTH 36 or consent of instructor. *Offered every fall semester.*

40. Real Analysis I. 3 hrs.
Sequences and their limits; continuity, uniform continuity, and consequences; an introduction to real line topology, including the Bolzano-Weierstrass and Heine-Borel theorems; differentiation and the mean value theorems. *Prerequisite:* MTH 25. *Offered fall semester, even years.*

41. Real Analysis II. 3 hrs.
The Riemann integral, mean value theorems; series and power series; uniform convergence, differentiation and integration of series. *Prerequisite:* MTH 40. *Offered spring semester, odd years.*

45. Algebraic Structures. 3 hrs.
Algebraic structures, including groups, rings, and fields; the morphisms and other topics. *Prerequisite:* MTH 25. *Offered fall semester, odd years.*

48. Probability and Statistics. 3 hrs.
Counting and sampling techniques; probability spaces and distributions, including binomial, uniform, Poisson, geometric, and normal; testing of hypothesis; applications. *Prerequisite:* MTH 21. *Offered spring semester, even years.*

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

89. Seminar. 1 hr.
Required of and restricted to senior mathematics and computer science majors. Research in a nontrivial area of the mathematical sciences which builds on and extends the student's background. *Offered every spring semester.*

Modern Languages

Trusler, Figueroa, J. Holmes, Mann

Courses in this department are designed to develop basic language proficiency involving listening comprehension, reading, writing, and speaking.

Requirement for Minor:

A minor in French, German or Spanish is available to students who elect to take six semester hours above the intermediate level. These hours may be taken at Wesleyan through regular course work (Spanish) or learning contracts, at another U.S. institution, or through recognized study abroad.

French

1, 2. Introductory French I, II. Each 3 hrs.
A course designed to give the student basic proficiency in the four language skills: reading, writing, listening, speaking. *Meets four hours per week.*

10, 11. Intermediate French I, II. Each 3 hrs.
A course conducted in French and designed to continue development in basic language skills. *Prerequisite:* French 2 or equivalent.

German

1, 2. Introductory German I, II. Each 3 hrs.
A course designed to give the student basic proficiency in the four language skills: reading, writing, listening, speaking. *Meets four hours per week.*

10, 11. Intermediate German I, II. Each 3 hrs.
A course designed to continue development in basic language skills. *Prerequisite:* German 2 or equivalent.

Spanish

1, 2. Introductory Spanish I, II. Each 3 hrs.
A course designed to give the student basic proficiency in the four language skills: reading, writing, listening, speaking. *Meets four hours per week.*

10, 11. Intermediate Spanish I, II. Each 3 hrs.
A course designed to continue development in basic language skills. *Prerequisite:* Spanish 2 or equivalent.

20, 21. Advanced Spanish I, II. Each 3 hrs.
A course designed to continue the development of language proficiency and cultural awareness. Emphasis on spontaneous expression based on representative print and nonprint media from Hispanic cultures. *Prerequisite:* Spanish 11 or instructor's permission.

Music

Milburn, Dees, Hamilton, Loftis, Parsons, Sabak

The purpose of the music curriculum is to afford students an opportunity to develop an understanding and appreciation of music, and to become accomplished musicians. The degree of Bachelor of Music Education is designed specifically for students preparing for the teaching profession. The degree of Bachelor of Arts is designed to accommodate those students wishing a liberal arts degree or wishing to emphasize a particular aspect such as performance or theory in their study. Various options for a contract major combining music with other disciplines, such as business or Christian education, are possible. All curricula offered provide a strong foundation for graduate study.

Students wishing to major in music are admitted to the program provisionally according to a placement audition in applied music at the end of the first semester of study. At the end of the fourth semester an evaluation of the progress made in both musical and academic studies will be made by the music faculty and, after a private conference with the student, a decision regarding continuation in the program will be made.

In addition to offering the curricula for students who major in music, the faculty also provides service courses for students who wish to obtain a minor in music and for others seeking musical enrichment experiences.

The music program is fully accredited by the National Association of Schools of Music and endorses the statement on Basic Musicianship adopted by this national accrediting organization. The faculty affirms that all musicians, whether performers, composers, scholars, or teachers, share common professional needs, since every musician must to some extent be a performer, a listener, an historian, a composer, a theorist, and a teacher. Every attempt is made to develop basic musicianship in studies which provide the student with the following:

1) A conceptual understanding of such musical properties as sound, rhythm, melody, harmony, texture and form; and opportunities for developing a grasp of their interrelationships as they form the cognitive-affective basis for listening, composing and performing;
2) Repeated opportunities for enacting in a variety of ways the roles of listener (analysis), performer (interpretation), composer (creation), and scholar (research);
3) A repertory for study that embraces all cultures and historical periods.

Requirements for the Degree of Bachelor of Music Education:

54-57 semester hours of music courses, including 1, 2, 6 and 7 (for non-voice majors), 8, 9, 10, 11, 12, 13, 14, 17 (voice majors only), 20, 21, 22, 25, 26, 27, 30, 31, 41 and 42. All candidates for this degree are required to attain a minimum of level 8 in their chosen field of applied music, which is normally achieved by a maximum of 14 semester hours of study, and to present an assisted recital on their major instrument in their junior or senior year (with or without 1 hour credit). All non-keyboard majors are required to attain a level 2 in piano, which is normally achieved by a maximum of four semester hours of study. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit, and to establish a minimum of 4 semester hours credit in ensemble. No more than 4 ensemble credits may apply toward the 128-hour minimum required for graduation.

This curriculum includes 28 semester hours of professional education, including Education 2, 3, 4, 8, 15, 23, 61, 62, 49 and 68. This curriculum also includes courses currently required by the West Virginia Department of Education for *all* teacher certificates, and/or by West Virginia Wesleyan College for *all* degrees. It also includes sufficient hours for a minor in education.

Requirements for Degree of Bachelor of Arts in Music:

51 semester hours, including 1, 2, 17 (voice majors only), 20, 21, 22, 26 and 27, attainment of level 6 in one area of applied music, four hours of ensemble and music electives to complete 51 hours. Students wishing to complete an *applied music emphasis* must attain a level 10 in one area of performance and give a full recital (with or without one hour credit). Students wishing to complete a *theory emphasis* must attain a level 6 in piano and complete a special project in musical research, analysis or composition during their senior year, the results of which will be shared publicly through a recital, lecture or lecture-recital. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit. No more than 4 ensemble credits may apply toward the 128-hour minimum required for graduation.

Requirements for Minor:

15 semester hours, including 1, 23, sufficient study in chosen field of applied music to attain level 4, 2 semester hours of ensemble and 2 semester hours of electives in music.

1. Basic Musicianship I. **4 hrs.**
Review of mechanics and music fundamentals. An integrated study of basic musical units through development of individual skills in music listening, performance, composition, analysis and criticism, incorporating the principles of comprehensive musicianship. Class meets four hours per week.

2. Basic Musicianship II. **4 hrs.**
Continues Music 1. Class meets four hours per week. *Prerequisite:* Music 1.

3. Introduction to Non-Western Music. **3 hrs.**
A brief survey of important world music systems and their effect on music in the Western world.

4. Introduction to Music for the Non-Music Major. **2 hrs.**
A course designed to assist students not majoring in music to develop an understanding and appreciation of concert music through directed group listening.

6, 7. Fundamentals of Voice I, II. **Each 1 hr.**
Class instruction in the development and basic techniques of the singing voice. Designed for non-voice majors in music education. Two periods weekly.

8, 9. Woodwind Instruments I, II. **Each 1 hr.**
Class instruction in the fundamentals of the various woodwind instruments. Limited to music majors and minors. Two periods weekly.

10, 11. Brass Instruments I, II. **Each 1 hr.**
Class instruction in the fundamentals of the various brass instruments. Limited to music majors and minors. Two periods weekly.

12, 13. Stringed Instruments I, II. **Each 1 hr.**
Class instruction in the various orchestral instruments of the string family. Limited to music majors and minors. Two periods weekly.

14. Percussion. **1 hr.**
Class instruction in the various instruments of the percussion family. Limited to music majors and minors. Two periods weekly.

15. Hymnology. **2 hrs.**
A study of the hymns of the Christian church.

17. Diction. **2 hrs.**
An introduction to French, German, and Italian diction emphasizing the use of the International Phonetic Alphabet. *Required in freshman year of all voice majors.*

18. Introduction to Music Education for the Classroom Teacher. 2 hrs.
A study of music fundamentals, including rhythm, melody, harmony, timbre and form. Also included are mechanics of notation, sight singing, work with melody and rhythm instruments and simple chordal accompaniments at the keyboard or with guitar.

19. Music Methods and Materials for the Classroom Teacher. 2 hrs.
Continuation of first semester work in music fundamentals as needed. Exploration of various music series books and other resources. Cultivation of an awareness of the contribution of music to society and the development of desirable objectives for the music program in each grade level. *Prerequisite:* Music 18 or permission of instructor.

20. Advanced Musicianship I. 5 hrs.
Continues Music 2. Class meets five hours per week. *Prerequisite:* Music 2.

21. Advanced Musicianship II. 5 hrs.
Continues Music 20. Class meets five hours per week. *Prerequisite:* Music 20.

22. Advanced Musicianship III. 4 hrs.
Continues Music 21. Class meets four hours per week. *Prerequisite:* Music 21.

23. Music Appreciation for the Music Minor. 2 hrs.
A study of selected music literature designed as a continuation of Music 1. *Prerequisite:* Music 1.

24. Counterpoint. 2 hrs.
Study of the tonal counterpoint of the eighteenth and nineteenth centuries with emphasis on Bach. *Prerequisite:* Music 21.

25. Orchestration. 2 hrs.
Study of range, use, and characteristics of orchestral and band instruments. Scoring for various instrumental combinations. The student is required to make at least one symphonic arrangement from a piano score. *Prerequisite:* Music 20.

26, 27. History of Music I, II. Each 3 hrs.
Study of the development and social background of musical composition and performance. Music 26 follows this development to 1750; Music 27, since 1750. *Prerequisite:* Music 21 or consent of instructor.

29. Survey of Church Music. 3 hrs.
A survey of the organizational aspects of a multiple choir program, incorporating an introduction to the liturgies of the major denominations.

30. Instrumental Conducting. 2 hrs.
Techniques of organizing and conducting band and orchestra; principles of interpretation, score reading; practice conducting. *Prerequisite:* Music 21 or permission of instructor.

31. Choral Conducting. 2 hrs.
Techniques of choral conducting; factors involved in choral interpretation, selection of materials, organization and administration of choral work. Practice in conducting. *Prerequisite:* Music 21 or permission of instructor.

35. Literature of Keyboard Music. 2 hrs.
Historical survey of repertoire written for harpsichord, clavichord and piano, covering various styles and principal works from the early keyboard composers of the seventeenth century to the twentieth century, from the standpoint of teaching and aesthetic value. *Prerequisite:* consent of instructor.

36. Literature of Instrumental Music. 2 hrs.
Literature for solo instruments, chamber music, and orchestra from the standpoint of teaching and aesthetic value. *Prerequisite:* consent of instructor.

37. Literature of Vocal Music. 2 hrs.
A study of typical works for solo voice representing various styles and periods of musical compositions. *Prerequisite:* consent of instructor.

38. Literature of Choral Music. 2 hrs.
A survey of the literature of choral music, including anthems, cantatas, and oratorios. *Prerequisite:* consent of instructor.

39. Literature of Organ Music. 2 hrs.
A survey of literature for organ, from the sixteenth century to the present. *Prerequisite:* consent of instructor.

41. Early and Middle Childhood Methods for the Music Specialist. 4 hrs.
The study of various philosophies of music education and their application in the use of singing, listening, rhythmic and creative activities to achieve the objectives of early and middle childhood musical growth. Lab. *Prerequisite:* Admittance to the teacher education program and approval of music faculty.

42. Adolescent Methods for the Music Specialist. 3 hrs.
The study of adolescent music education, including instrumental and vocal programs on the adolescent level, including concert and marching band, orchestra, high school choir, madrigal group, as well as elective music courses. *Prerequisite:* Admittance to the teacher education program and approval of music faculty.

46. Opera Workshop. **1-3 hrs.**
Study of the principles, techniques and direction of operatic productions through class presentation of scenes and staging of a complete work. May be repeated for a maximum of 3 hrs. of credit. *Prerequisite:* Permission of instructor.

49. Ensemble. **Each 1 hr.**
Study and performance of works for choral or instrumental groups, including Concert Chorale, Women's Glee Club, Concentus Vocum, various instrumental ensembles, Jazz Ensemble and Concert Band.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Applied Music

Applied music study is based on a system of proficiency levels. Level descriptions are available in each area of applied music.

The minimum level requirements for graduation are: Bachelor of Music Education: Level 8; Bachelor of Arts, Level 6 (except for students wishing to complete an emphasis in applied music, who must attain Level 10).

The minimum level requirement for a music minor is Level 4 in chosen area.

Although applied music requirements are stated in terms of specific proficiency levels, the schedule of normal advancement toward the desired goal may be measured in terms of semester hours of study.

To earn three semester hours of credit in applied music, a student must have attained at least a Level 5.

Music majors normally earn credit in their chosen field of applied music at the rate of at least two semester hours each semester until their required achievement level is attained.

Students are accepted for applied study as faculty loads permit in the following order of priority: music majors, music minors, non-majors currently participating in a departmental ensemble, others.

51. Baritone Horn, Tuba. **1-3 hrs.**

52. Bassoon. **1-3 hrs.**

53. Cello, String Bass. **1-3 hrs.**

54. Clarinet. **1-3 hrs.**

55. Cornet-Trumpet. **1-3 hrs.**

56. Flute, Piccolo. **1-3 hrs.**

57. French Horn. **1-3 hrs.**

58. Oboe, English Horn. **1-3 hrs.**

59. Organ. **1-3 hrs.**

60. Piano. **1-3 hrs.**

61. Percussion. **1-3 hrs.**

62. Saxophone. **1-3 hrs.**

63. Trombone. **1-3 hrs.**

64. Violin, Viola. **1-3 hrs.**

65. Voice. **1-3 hrs.**

66. Guitar. **1-3 hrs.**

68. Half Recital. **1 hr.**
Prerequisite: Level 8.

69. Full Recital. **1 hr.**
Prerequisite: Level 10.

Nursing

Cofield, Campbell, Frye, Jackson, J. McKinney

The goal of the nursing faculty is to prepare graduates to enter the profession of nursing as competent practitioners thoroughly familiar with the nursing process who also possess a sound foundation for graduate study in nursing.

Wesleyan's program is accredited by the Council of Baccalaureate and Higher Degree Programs of the National League for Nursing and by the West Virginia Board of Examiners for Registered Nurses. The Wesleyan nursing graduate is eligible to write the National Council Licensing Examination for Registered Nurses and is qualified for entry-level positions in various fields of nursing practice.

Admission

Freshmen are admitted to the College as nursing majors. Admission to the sophomore clinical component is based on academic ability determined by a grade point average of 2.50 or higher. Students with a GPA of 2.25 to 2.49 may petition the nursing faculty in writing for consideration on a space available basis. Qualifications for all students will be evaluated by a committee of the nursing faculty.

Nursing courses are sequential and are offered one time per year. Therefore, any student who wishes to apply for admission to the nursing program must do so by the end of the term preceding the semester in which enrollment in a nursing course is planned. Applications are available in the chairperson's office.

Nursing majors receive a *Nursing Student Handbook* which outlines department policies, including those pertaining to admission, progression, retention and suitability. The faculty reserves the right to exclude or remove from clinical practice any student who has demonstrated attitudes or behaviors incompatible with safe nursing practice.

Before candidates can be considered for licensure as a registered nurse in the United States, they must report any conviction for a felony to the licensing board. Students are advised to report such conviction to the nursing program and to the Board of Examiners for Registered Nurses upon entry into the nursing program.

Admission with Advanced Standing

Applications for admission with advanced placement in nursing will be assessed by a committee of the nursing faculty, whose recommendations will guide the Admission and Registrar's offices. Neither the Admission Office nor the nursing faculty can estimate the time required for completion of the Wesleyan program until a transcript of previous work and descriptions of the courses taken are submitted and evaluated.

Program

The basic program is structured for completion in four academic years. Students carry a challenging academic load during the freshman and sophomore years and need to plan their schedules in close consultation with advisors. The development of cognitive skills is the hallmark of a baccalaureate program; hence emphasis must be placed on developing a solid knowledge base and the ability to use it.

Students are required to earn at least a grade of C in each nursing course before proceeding in the program. A course with an unsatisfactory grade may be repeated only once.

Students anticipating graduate study in nursing are advised to complete a statistics course, selected in consultation with a nursing advisor, as part of their undergraduate study.

Registered Nurse Plan

The nursing program offers graduates of diploma and associate degree programs the opportunity to complete requirements for the baccalaureate degree in nursing. Acceptance and placement within the nursing program depend upon the individual's academic record and successful completion of the National League for Nursing Mobility Profile II. The registered nurse student is awarded 27 nursing credit hours upon completion of the NLN Mobility Profile II. A license to practice nursing and a grade point average of 2.25 or better are required. RN's with a GPA of less than 2.25 may petition, in writing, the nursing department's Academic Standards and Review Committee for special consideration.

Students who are registered nurses are required to meet the General Studies curriculum and graduation requirements as outlined in the college catalog. They are required to complete Nursing 26, 30, 31, 32, 33, and 34 in residence. Credit for all required nursing courses must be established by enrollment or examination.

School Nurse Certification

The nursing program is approved by the West Virginia State Board of Education to offer a school nurse certification program. Practicing nurses and students who complete the nursing program at Wesleyan must meet the following criteria to become eligible for school nurse certification from the West Virginia State Board of Education:

1) Bachelor's degree from a National League for Nursing accredited nursing program,
2) Successful completion of Education 59, Public Education and School Nursing,
3) School nurse practicum and/or supervised work experience as a school nurse,
4) Successful completion of the Pre-Professional Skills Test (PPST),
5) Documentation of computer literacy skills, and
6) Current license to practice as a Registered Professional Nurse in West Virginia.

Resources

Middleton Hall is modern, well equipped and provides faculty offices, class and seminar rooms, and skills and audio-visual/computer laboratories for nursing students. Clinical laboratory experience is provided in a variety of settings, including small community hospitals, nursing homes, and large sophisticated acute care institutions. Responding to current trends in health care, nursing in health promotion and maintenance is emphasized and utilizes a wide variety of community health agencies. The health care institutions and agencies in Buckhannon, Clarksburg, and surrounding areas provide a broad spectrum of clinical learning experiences.

Requirements for Degree of Bachelor of Science in Nursing:

53 semester hours in nursing, including courses 1, 2, 10, 11, 12, 20, 21, 22, 23, 30, 31, 32, 33, and 34; 25-27 hours of support courses to be completed prior to entering junior-level nursing courses, including: Chemistry 5 and 6; Human Ecology 41; *either* Biology 9 and 10 *or* Physical Education 10 and 11; Biology 13; Psychology 24 and 25.

1. Introduction to Professional Nursing. 1 hr.
An introduction to the philosophy of professional nursing and the Wesleyan curriculum. The nursing process, the scientific method of inquiry, and the multiplicity of roles in nursing are presented. Focus is on the relationship between humankind, environment, health, and nursing. *Prerequisite:* Nursing major or permission of instructor.

2. Foundations of Professional Nursing. 1 hr.
An introduction to the historical development and social forces that have brought nursing to its current status. Emphasis is on the knowledge base needed for application in any nursing practice setting. Focus is on the application of the concepts of humankind, environment, health, and nursing in nursing practice. *Prerequisite:* Nursing 1 or permission of instructor.

10. Pharmacology and Drug Therapy. 3 hrs.
General principles of pharmacology and drug therapy, with emphasis on major drug classifications. Principles of drug action, adverse effects of drugs, and ethical issues relating to drug therapy will be discussed. *Prerequisite:* Sophomore status.

11. Language and Principles of Nursing. 5 hrs.
Theory 3 hrs.
Clinical Experience 2 hrs.
Development of novice skills in the art and science of nursing and an understanding of the concepts, subconcepts, and theoretical foundations of the Wesleyan nursing curriculum. The student learns psychomotor skills in identifying health needs of individuals who are primarily well and for whom life events present minimal threats. *Prerequisites:* Nursing 1 and 2.

12. Family Nursing. 5 hrs.
Theory 3 hrs.
Clinical Experience 2 hrs.
Health maintenance and promotion of childbearing families in clinical settings. Emphasis is on increasing understanding of concepts, sub-concepts, and theoretical foundations of the Wesleyan nursing curriculum. *Prerequisites:* Nursing 1, 2, and 11.

20. Mental Health Nursing. 5 hrs.
Theory 3 hrs.
Clinical Experience 2 hrs.
The use of therapeutic communication skills with clients experiencing psychological problems and disorders. Nursing care of clients with acute and chronic psychological problems across the life span. Concepts include stress adaptation, nursing process, health continuum, client system, and environmental processes. *Prerequisites:* Nursing 1, 2, 10, 11, 12 and all support courses.

21. Nursing Care: Common Health Problems. 5 hrs.
Theory 3 hrs.
Clinical Experience 2 hrs.
The health care of adults in the hospital and other clinical settings, with emphasis on using the nursing process for clients with common health problems. Concepts include stress adaptation, nursing process, role development, health continuum, client system, and environmental processes. *Prerequisites:* Nursing 1, 2, 10, 11, 12 and all support courses.

22. Nursing Care: Multiple Health Problems. 5 hrs.
Theory 3 hrs.
Clinical Experience 2 hrs.
The health care of adults with multiple health problems, emphasizing the use of the nursing process, provision of safe, appropriate care related to environmental forces, and professional responsibility and accountability. Clinical activities in a variety of acute care settings provide opportunities for independent judgment and decision making in the care of individuals and families to promote restoration and maintenance of health. Concepts include stress adaptation, health continuum, nursing process, environmental issues, role development, and client system. *Prerequisites:* Nursing 1, 2, 10, 11, 12, and all support courses.

23. Nursing Care of Children. **5 hrs.**
Theory **3 hrs.**
Clinical Experience **2 hrs.**
The health care of children in the hospital and in other community settings. Functions related to the multiple roles assumed in helping the child/family with various problems. Concepts include nursing process, health continuum, client system, and nursing roles. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, and 22.

26. Transition to Baccalaureate Nursing. **5 hrs.**
Theory **3 hrs.**
Clinical Experience **2 hrs.**
A course designed to enrich the nurse's prior learning and facilitate role transition. Philosophical and theoretical foundations of nursing are examined, and personal values and beliefs about nursing are clarified. The nurse's role in relation to humankind, health, environment, and nursing is defined and developed. *Open only to licensed nurses.*

30. Leadership in Nursing. **3 hrs.**
Theory **2 hrs.**
Clinical Experience **1 hr.**
Development of the management knowledge and skills essential for planning, directing, and evaluating client care in the health care environment. Concepts include client system, environmental processes, and health continuum. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, and 22.

31. Nursing Care: Life-Threatening Health Problems. **5 hrs.**
Theory **3 hrs.**
Clinical Experience **2 hrs.**
The use of the nursing process in critical care and specialty areas. The student will care for clients with complex life-threatening problems in the acute setting and is expected to demonstrate the clinical competence required of a beginning practitioner of nursing. Concepts include stress adaptation, environmental processes, role development, nursing process, health continuum, and client system. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, and 22.

32. Community Health Nursing. **5 hrs.**
Theory **3 hrs.**
Clinical Experience **2 hrs.**
The synthesis of public health science and nursing science to promote and maintain the health of the community. Students work with individuals, families, and groups using the nursing and epidemiological processes to plan and deliver nursing care. Clinical experiences are arranged in organized health agencies and community facilities in central West Virginia. Concepts include client system, environmental processes, and health continuum. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, 22, and 23.

33. Trends and Issues in Nursing. **3 hrs.**
Theory **2 hrs.**
Clinical Experience **1 hr.**
A seminar exploring societal and professional trends and issues. The amalgam of nursing roles is analyzed to determine role performance. Focus is on role development as the student relates curricular concepts in practice. Concepts include role development, environmental processes, and the nursing process. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, 22, and 23.

34. Research in Nursing. **2 hrs.**
The scientific method of inquiry as used in nursing. Quantitative and qualitative methods of nursing research are investigated and applied to clinical practice. Concepts include the nursing process and role development. *Prerequisites:* Nursing 1, 2, 10, 11, 12, 20, 21, 22, and 23.

Nutrition

See Human Ecology for description of major and minor programs.

Philosophy

Keating, Morrissette

Philosophy is the love of wisdom. It is the attempt to provide a vision of the whole. Thus it is by nature interdisciplinary. The department teaches the history of thought, skill in dialogue, and respect for the truth, all of which help make a person better. Philosophical study is recommended both for its own sake and for the intelligence and sense of purpose it brings to professional life.

Any of the department's offerings, except Philosophy 80, may be taken to fulfill Wesleyan's general studies requirement in philosophy. However, courses 1-20 are designed especially for the general studies student. The department encourages students to begin with one of these courses before attempting any of the others.

Requirements for Major:

24 semester hours in the discipline, including 10, 12, 15, 20, 60, 80.

Requirements for Minor:

18 semester hours in the discipline, including 10, 12 or 15, 20, 60.

1. Introduction to Philosophical Thinking 3 hrs.
An introduction to thinking about basic questions of knowledge, reality, and value, through analysis of readings in the sciences, literature, and philosophy. *Especially recommended for freshmen.*

3. Political Philosophy 3 hrs.
A GENERAL STUDIES introduction to philosophy through the study of the nature and good of politics. May be credited toward a major or minor in Government.

5. Science, Reason and God. 3 hrs.
A GENERAL STUDIES introduction to philosophy through the study of the nature and value of knowledge in Western science and theology.

7. Ethics. 3 hrs.
A GENERAL STUDIES introduction to philosophy through the study of the nature and meaning of the good for persons.

10. Classical Philosophy. 3 hrs.
Reading and discussion of representative classic texts in Western Philosophy from the Pre-Socratics through Plato, Aristotle, and the Stoics. Suitable for general studies.

12. Medieval Philosophy. 3 hrs.
Reading and discussion of representative classic texts in Western philosophy from the beginnings of Christian philosophy to the Renaissance. Suitable for general studies.

15. Modern Philosophy. 3 hrs.
The history of philosophy continued from the Renaissance with emphasis on British empiricism and Continental Rationalism to Kant. Suitable for general studies.

20. Recent Philosophy. 3 hrs.
The history of philosophy continued from Kant to the present. Suitable for general studies.

30. Art and the Good Life. 3 hrs.
An advanced course in selected contemporary philosophical problems in ethics, aesthetics, and political theory.

40. Modern Philosophy of Religion. 3 hrs.
An advanced course in contemporary problems in philosophical theology.

50. Oriental Philosophy. 3 hrs.
A survey of representative philosophical schools in India and China, including Hindu, Buddhist, and Confucian ethics, epistemology, and metaphysics.

60. Logic. 3 hrs.
An introduction to traditional syllogistic logic and to elements of modern symbolic logic with emphasis on improving the student's critical skills.

70. Contemporary Philosophical Debates. 3 hrs.
Study of selected problems of concern to persons currently doing research in philosophy. The relation of writing and bibliographical techniques to professional philosophy will be discussed.

80. Metaphysics and Epistemology. 3 hrs.
Advanced course in problems in the theory of knowledge and metaphysics. *Prerequisite:* One other course in the department and instructor's permission.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Philosophy and Religion

Faculty in philosophy and religion offer an interdisciplinary major for students who have definite pre-theological plans.

Requirements for Major:

36 semester hours, with the approval of the student's faculty advisor. A minimum of 12 semester hours should be selected from each discipline. Recommendations as to specific courses to be taken, depending on the student's interests and qualifications, include Religion 10 and 20; Philosophy 10 and 60. The student is to select courses in consultation with the advisor.

Physical Education and Health

Smith, Braine, Carpenter, Cavanaugh, Fruh, Klebez

The physical education program is designed to (1) provide instruction in leisure time skills in activity classes which teach history, rules, strategies, and fundamental skills to all students who have a continuing interest in sports and recreational activities; (2) provide instruction, guidelines, facilities, and equipment to contribute to development of physical fitness; (3) provide programs with the Department of Education for certification of physical education teachers; (4) provide an intramural athletic sports program for participation of all interested students; (5) provide opportunity for the desirable manifestation of the play urge; (6) contribute to emotional stability by offering activities which can provide a wholesome outlet for the satisfaction of the psychological needs of students; (7) provide instruction in various team and individual sports for students who plan coaching careers; (8) provide instruction for students interested in athletic training and (9) provide instruction for students interested in sports medicine.

The health education program is designed to (1) provide programs with the Department of Education for the certification of health teachers; (2) provide courses that teach that health is not a static condition but an ongoing process of learning, decision making and action; (3) provide accurate up-to-date information in areas of interpersonal relationships, coping strategies, sexuality, nutrition, medical care, health products and services, common diseases, environment factors and community health; (4) provide an understanding of the decision-making skills that the student will need to direct his own health behavior; (5) stimulate students' exploration of attitudes and feelings affecting health; (6) emphasize the social, emotional and behavioral aspects of health; (7) convey that health is not an end in itself but a means of achieving and enjoying a satisfactory total life; and (8) emphasize that health education should be an integral part of every student's education.

Students seeking a teaching field in health *must* consult a faculty advisor. The outline of the program appears in the catalog under Education. Also, see programs in rehabilitation and sports medicine.

Requirements for Physical Education Major:

Teacher education students *must* consult advisors regarding schedules. For teaching specialization and athletic training endorsement see teacher education programs under Education.

Students wishing to combine courses from general physical education, fitness and athletic training curricula are cautioned to take account of the limit on departmental credits that may count toward graduation.

General major: Physical Education 1 (swimming) or proficiency test, 10, 11, 12, 14, 20, 24, 26, 31, 32, 33, 50, 52, 55.

Adult Fitness concentration: Physical Education 4, 10, 11, 12, 14, 15 (I-III), 16, 24, 31, 50, 52; Chemistry 5, 6; Human Ecology 41, 44; Computer Science 3.

Requirements for Physical Education Minor:

Physical Education 10, 11, 12, 20, 31, 32, 52.

1. Physical Education Activity. 1 hr.
Fundamental rules, techniques and skills in any one of the following activities. *Team games:* basketball, volleyball, walleyball. *Individual sports:* golf, tennis, archery, bowling, swimming, racquetball, squash. *Dance activities:* aerobic dance, folk dance. *Other Activities:* tumbling, gymnastics, body building, Nautilus training, self defense, stress management, martial arts, and jogging. No more than four activity credits may count toward graduation.

4. Exercise and Weight Control. 3 hrs.
Identification of health and fitness status, suitable nutrition and exercise programs, calorie needs at various ages. Course entails both class work and physical activity. *One credit may count for activities requirement.*

5. Movement. 3 hrs.
An introduction to the fundamentals of efficient movement. Designed to develop physical self-awareness and an understanding of how the body works and moves.

6. Sports Medicine I. 2 hrs.
Introduction to the medical aspects of sports, including the basic principles of prevention, evaluation and treatment of athletic injuries. Laboratory sessions will introduce various wrapping and strapping techniques in addition to basic rehabilitation procedures. *Prerequisite:* Physical Education 52.

7. Sports Medicine II. 3 hrs.
An in-depth study of advanced medical aspects of sports, including athletic injury prevention, administrative procedures, research and rehabilitation techniques. Discussion of special topics such as the female athlete, pharmacology, and dermatology will be included. *Prerequisite:* Physical Education 6.

8. Athletic Training Practicum I-IV. Each 1 hr.
Practical experience in areas of athletic event coverage, injury prevention and evaluation, physical therapy, and rehabilitation. Exposure to training room experience at public school and collegiate levels. Pass/fail grading. *Prerequisite:* HPE 52 and admission to the athletic training program.

10. Anatomy and Physiology I. 3 hrs.
The structure and function of the human organism. Major topics will include skeletal anatomy and function, muscular structure and function, the molecular basis of cell physiology and the nervous system.

11. Anatomy and Physiology II. 3 hrs.
A continuation of 10 emphasizing the following systems: cardiovascular, respiratory, gastrointestinal, renal, endocrine and reproductive. *Prerequisite:* Physical Education 10.

12. Exercise Physiology. 3 hrs.
The course deals with the physiological effects of exercise on the human body; areas of interest include concepts of physical fitness, fatigue, weight control, nutrition, environmental stresses and review of the latest research in human performance. *Prerequisite:* Physical Education 10, 11.

14. Kinesiology. 3 hrs.
A study of the principal muscles of the human body, how the muscles work together to perform with ease and efficiency, the basic motor skills, and the study of prevention and correction of certain posture defects. *Prerequisite:* Physical Education 12.

15. Laboratory Techniques in Adult Fitness I, II, III. Each 1 hr.
Practical experience in areas of fitness evaluation, prescription, and supervision. The development of basic techniques in a supervised setting. Pass/Fail grading. *Prerequisite:* Physical Education 11.

16. Exercise Testing and Prescription. 3 hrs.
A course designed to provide knowledge and experience in the field of graded exercise testing, exercise prescription and rehabilitation of persons with cardio-vascular disease. *Prerequisite:* Physical Education 14.

17. Laboratory Techniques in Sports Medicine. 1 hr.
Discussion of and practical experience in the assessment of orthopedic injuries, including joint range of motion, manual muscle testing, neurological testing and other tests used to evaluate athletes for both preventive and rehabilitative purposes. *Prerequisites:* Physical Education 6 and 7.

18. Therapeutic Modalities and Rehabilitative Techniques in Sports Medicine. 2 hrs.
Introduction to the clinical aspects and study of therapeutic modalities and rehabilitative techniques used in the treatment of athletic injuries. Students will gain hands-on experience with the various modalities (electrical stimulation, ultrasound, massage) currently used in sports medicine. Practical experience will be provided in the planning, creation, and implementation of rehabilitative programs for various sports-related injuries. *Prerequisites:* Physical Education 6 and 7.

19. Motor Learning and Evaluation. 3 hrs.
Introduction to motor learning and skilled performance, learning theories, models of skill acquisition, statistical methods, and fitness and performance measurement. *Prerequisite:* Upperclass standing in physical education, rehabilitation or allied field.

20. Principles, Organization and Administration of Health, Physical Education and Athletics. 3 hrs.
A study of the problems confronting teachers, coaches, principals, and supervisors in physical education and athletic programs of the public schools. A development of the understanding of basic physical education and athletic principles on which decisions can be made relative to problems teachers and coaches may encounter.

22. Recreation Leadership. 3 hrs.
An introduction to the organization and administration of playgrounds, swimming areas, camps, and the development of leadership in recreation.

24. Adapted Physical Education. 2 hrs.
A study of the adapted physical education program within the school curriculum with emphasis on development of individual programs for exceptional children. *Prerequisite:* Physical Education 14.

26. Elementary Rhythms and Movement. 2 hrs.
An introduction to a study of basic movement skills, movement exploration, singing games, folk dancing, and social dancing, as they apply to the elementary physical education program. Emphasis on planning and conducting the activities.

31. Physical Education Major I. 4 hrs.
Introduction to physical education, its various fields, qualifications and employment possibilities. Fitness activities, testing and evaluation. An in-depth study of personal fitness, track and field, swimming and dance with emphasis on physical education fundamentals, basic coaching, choice and care of equipment.

32. Physical Education Major II. 3 hrs.
An in-depth study of touch football, soccer, volleyball and basketball with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* Physical Education 31.

33. Physical Education Major III. 3 hrs.
An in-depth study of racquetball, golf, softball and tennis with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* Physical Education 32.

38. Methods of Physical Education in Elementary Schools. 3 hrs.
This course is designed to help develop philosophy, objectives, activities, program-planning and evaluation for a functional and meaningful program in elementary school physical education. *Prerequisite:* Junior or senior standing.

39. Methods of Physical Education in Secondary Schools. 3 hrs.
Philosophy, objectives, activities, equipment, program-planning, measurement and evaluation procedures for a functional program in secondary school physical education. *Prerequisite:* Junior or senior standing.

41, 42. Team Sports. Each 3 hrs.
A clinical analysis of coaching sports at the varsity level. The course is intended for future coaches and includes philosophy, code of ethics, rules, and skills of selected sports, such as football, track, basketball and baseball.

45, 46. Officiating. Each 1 hr.
Introducing the techniques and mechanics of officiating football and track (45) or basketball and baseball (46), including principles and interpretation of rules. State officiating test and supervised practice in the above sports.

50. Personal and Community Health. 2 hrs.
An introductory course designed to help the student acquire the information, attitudes, and habits essential to healthful living. An introduction to disease prevention, sanitation, food regulations and supply, housing, etc.

52. First Aid and Safety. 3 hrs.
An introduction to the principles and practice of safety in schools, homes, and on the streets and highways, and the ability to take care of oneself and others in case of emergency.

55. School Health Problems. 2 hrs.
Problems involved in school health programs including methods and materials for health instruction in elementary and secondary schools.

57. Health Education Seminar. 1 hr.
An in-depth study of selected issues in health education on the local, state, national, and international level.

58. Methods of Teaching Health. 3 hrs.
This course is designed for prospective teachers, giving them the opportunity to evaluate various health teaching methods and learn measurement and evaluation procedures. *Prerequisite:* Junior or senior standing.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Physics and Engineering

Wiest, Hickman, Klausewitz, McBride, Popson, Sheppard

Wesleyan's program in physics and engineering is multidisciplinary and includes the areas of astronomy, geology, physics, engineering, and physical sciences for the non-science majors. The program provides for a B.A. major and minor in theoretical physics to provide students a broad general background in the discipline and a B.S. degree in engineering physics to prepare students to work in technological development and applied settings. In addition, a cooperative four-one program leads to an M.S. degree in aeronautical engineering, and students interested in working in the area of radiation protection may develop a health physics emphasis (consult departmental advisor).

Requirements for Major in Physics, Bachelor of Arts Degree:

Mathematics 20, 21, 32, plus 26 semester hours of physics, which must include 11, 12, 21, 22, 34, 36, 38 (or Chemistry 45), 52.

Requirements for Minor in Physics:

16 semester hours of physics from the above list of courses available for the physics major.

Requirements for Major in Engineering Physics, Bachelor of Science Degree:

Physics-Engineering 11, 12, 21, 22, 23, 24, 27, 34, 35, 36, 39, 41, 42, 43, 48, 52; Chemistry 1, 2, 45 (or Physics 38); Computer Science 7; Mathematics 20, 21, 32, 36, 37, 48.

For descriptions of Wesleyan's cooperative programs in eight options in engineering with the University of Pennsylvania and in aeronautical engineering with Langley-NASA Research Center, see page 48.

1, 2. Concepts of Physical Science I, II. Each 3 hrs.
An introductory course in physical principles for non-science majors. The course emphasizes classical as well as modern theories of science and their practical applications to everyday living. Lectures, demonstrations and laboratory experiences. *Prerequisite:* Proficiency in basic algebra or permission of instructor. 1 is prerequisite for 2.

3, 4. Physical Science for Teachers I, II. **Each 3 hrs.**
An introductory course in the physical sciences for elementary education majors with emphasis on teaching methods. Consists of both lecture and laboratory experiences. *Freshman or sophomore year only.* 3 is prerequisite for 4.

5, 6. Geology I, II. **Each 3 hrs.**
A general introduction to the study of the earth including the processes operating on and within the earth. A physical and biological history of the earth. Lecture and laboratory experiences. 5 is prerequisite for 6.

7, 8. Astronomy I, II. **Each 3 hrs.**
A general introduction to the study of astronomy. Composition, structure, motion and evolution of the universe. Lecture and laboratory experiences. 7 is prerequisite for 8.

11, 12. General Physics I, II. **Each 4 hrs.**
An introductory course in mechanics, heat, sound, electricity, magnetism, and light designed for the science major. Consists of both lecture and laboratory. *Prerequisites:* Demonstrated knowledge of algebra and trigonometry. 11 is prerequisite for 12.

21. Light and Atomic Physics. **3 hrs.**
Kinetic theory, charged subatomic particles, atomic interactions with radiation, photon mechanics and relativity, Bohr theory, quantum mechanics, quantum theory of solids. *Prerequisite:* Phys./Eng. 12. *Corequisite:* Math 20.

22. Light and Atomic Physics Laboratory. **1 hr.**
Experiments in physical optics, atomic absorption and emission of light, microwaves, ratio of electronic charge to mass, x-rays and crystal structure, cloud chamber, nuclear magnetic resonance. *Corequisite:* Phys./Eng. 21.

23. Nuclear Physics. **3 hrs.**
Particle accelerators, detection of charged particles, the neutron, nuclear stability, nuclear reactions, nuclear forces, nuclear shell model, beta decay, particle physics. *Prerequisite:* Phys./Eng. 21. *Corequisite:* Math 21.

24. Nuclear Physics Laboratory. **1 hr.**
Experiments in detection of charged particles, detection of neutrons, detection of gamma rays, counting statistics, radiation shielding, stopping power, calibration of the long counter, calibration of the scintillation counter, semiconductor detectors, the multichannel analyzer, time-of-flight techniques, analysis of bubble chamber photographs, detection electronics. *Corequisite:* Phys./Eng. 23.

27. Electronics. **3 hrs.**
Topics include D.C. and A.C. circuits, and characteristics and uses of semiconductor devices. A study of rectifiers, amplifiers, oscillators. Class time includes lectures and laboratory experiments. *Prerequisite:* Phys./Eng. 12.

28. Digital Electronics. **3 hrs.**
Representation of digital information; combinational logic networks; integrated circuit technology; computer equipment; microprocessors; logical design of minicomputers. Includes lecture and laboratory. *Prerequisite:* Phys./Eng. 27.

31. Fundamentals of Circuits, Signals, and Systems. **4 hrs.**
Lumped system elements and Kirchoff's laws, two terminal elements; energy and power; circuits. Signal description. Convolution. Phasors and impedence. Systems of coupled elements. Lectures and laboratory. *Prerequisites:* Math 38; Phys./Eng. 27.

34. Electromagnetic Theory. **3 hrs.**
Vector analysis, electric and magnetic fields, solution to Laplace's equation in spherical and cylindrical coordinates, electrostatic images, polarization, dielectrics, electrostatic and magnetic energy, electric current, Biot-Savart law, electromagnetic induction, Kirchoff's laws, the differential equations of circuits, Maxwell's equations, electromagnetic waves. *Prerequisites:* Phys./Eng. 12; Math 32.

35. Strength of Materials/Machine Design. **3 hrs.**
Techniques required to analyze the deformations and internal stress distributions of elastic elements of structures and machines. Stress-strain relationships, beam theory, shear, energy methods, and critical speeds. *Prerequisites:* Phys./Eng. 12, Math 32. *Offered every fall semester.*

36. Theoretical and Applied Mechanics. **3 hrs.**
Vector concepts, Newtonian mechanics, linear oscillations, Lagrangian and Hamiltonian dynamics, centralforce motion, dynamics of rigid bodies. *Prerequisites:* Phys./Eng. 12; Math 32.

37. Fluid Mechanics. **3 hrs.**
The Bernouilli equations, momentum equations, potential flows, viscosity, streamlines, supersonic flow, open channels, turbomachines, the Navier-Stokes equations. *Prerequisites:* Phys./Eng. 12; Math 32.

38. Engineering Thermodynamics. **3 hrs.**
The principles and applications of thermodynamics. Topics include the first and second laws of thermodynamics, reversibility, PVT surfaces, non-ideal gas equations, enthalpy, entropy, heat engines and heat pumps, carnot cycle, efficiency, Maxwell's equations, thermodynamics of flow processes, analysis of systems. *Prerequisites:* Phys./Eng. 12; Math 21.

39. Intermediate Engineering Laboratory. **1 hr.**
Experiments in mechanics and thermodynamics, including steam turbine, internal combustion engine, wind tunnel, motion with two reference systems, stress and strain, gyroscopic motion, harmonic motion, refrigeration cycle, thermopile. *Prerequisite:* Phys./Eng. 12.

41. Material Science. **3 hrs.**
Crystal structure, crystal defects, stress, strain, theories of hardness, theories of failure, basic principles of metallurgy. *Prerequisite:* Phys./Eng. 21. *Corequisite:* Math 30.

42. Solid State Physics. **3 hrs.**
Thermal, optical, and electronic properties of solids. Semiconductive devices including transistors, tunnel diode, semiconductor laser, and the LED. Magnetism, magnetic resonance and superconductivity. *Prerequisites:* Phys./Eng. 21.

43. Solid State Laboratory. **1 hr.**
Properties of intrinsic and extrinsic crystals are measured. Experiments to be performed include: X-ray spectrometry of crystals, the Hall effect, pure and doped crystals; magnetic resonance, Mossbauer spectrometry, super conductivity. *Corequisite:* Phys./Eng. 42.

44. Health Physics. **3 hrs.**
Radioactivity, interaction of radiation with matter, radiation quantities and units, stopping power, range-energy relationships, counting statistics, shielding, dosimetry, waste disposal, criticality prevention, radiation biology and ecology. *Prerequisites:* Phys./Eng. 23; Math 21.

46. Health Physics Laboratory. **2 hrs.**
A laboratory designed to teach the practical aspects of health physics. Includes experiments in instrumentation, dosimetry, radiation control techniques, medical health physics, environmental monitoring, handling emergency situations and applied health physics. *Corequisite:* Phys./Eng. 44.

48. Electro-Optics Laboratory. **1 hr.**
Measurements in modern optics involving electromagnetic theory. Experiments include Kerr effect, electron beam optics, fiber optical wave guides, monochromator, ruby laser, nonlinear optics, nitrogen laser, tunable dye laser, excitation of atoms with laser beams. *Prerequisites:* Phys./Eng. 21, 22.

52. Seminar. **1 hr.**
Majors in the department will select a topic on which to pursue research. This will include a literature search and a theoretical calculation or laboratory research. A paper will be submitted and an oral presentation will be given. The research is expected to represent some originality. Required of and restricted to senior majors.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Psychology

Richard Calef, Ruth Ann Calef, Choban, Glenney, Hiedemann

It is the purpose of this program to aid students in understanding themselves and others through the perspective of the scientific study of psychology. It provides basic mastery of content appropriate to the undergraduate level and a thorough grounding in the scientific method.

Requirements for Major:

The program offers two major tracks. Track I is designed for majors who seek a solid general foundation in psychology that will terminate at the undergraduate level.

1	General Psychology	3 hrs.
9	Tests and Measurements	3 hrs.
11	Psychological Experimentation	3 hrs.
19	Introductory Statistics for Social Sciences	3 hrs.
	Electives in Psychology	12 hrs.
		24 hrs.

Track II is designed for students who seek a thorough foundation in the discipline as preparation for graduate study.

1	General Psychology	3 hrs.
4	Learning and Memory	4 hrs.
10	Physiological Psychology	3 hrs.
12	Advanced Experimental	4 hrs.
17	History of Psychology	3 hrs.
21	Statistics and Methodology	4 hrs.
35-36	Thesis in Psychology I, II	4 hrs.
		25 hrs.

In most cases, students should select their major track by the first semester of their sophomore year.

Requirements for Minor:

15 semester hours, including Psychology 1.

Students may not earn more than six credits in readings in psychology, which are done by learning contract. Only three of these may be included in the 24 minimum for Track I.

1. General Psychology. **3 hrs.**
A survey of basic concepts in psychology including physiological mechanisms, motivation, learning, personality, testing, abnormal behavior and psychotherapy, development, social processes and intelligence.

3. Child and Adolescent Psychology. 3 hrs.
The course is designed to acquaint the student with the changing psychological patterns of behavior that occur between conception and maturity. Students with credit in Psychology 24 may not enroll. *Prerequisite:* Psychology 1.

4. Learning and Memory. 4 hrs.
A survey of the concepts, research methods and principles of learning and memory, with a primary focus on contemporary investigations of human and animal learning. Historical antecedents of principles, theories and methods are reviewed insofar as they are important to the understanding of contemporary issues. Includes laboratory exercises and use of computer for data analysis. *Prerequisite:* Psychology 1, junior or senior standing.

5. Business and Industrial Psychology. 3 hrs.
Designed to help students to understand, to appreciate and to apply basic psychological processes relevant to administration and organization in business and industry. This course is appropriate for students in Business and may be credited toward a major or minor in the field. *Prerequisite:* Psychology 1.

6. Social Psychology. 3 hrs.
A survey of theory and research regarding social influences on individual behavior and the application of these findings to selected social issues. Lectures and discussion. . *Prerequisite:* Psychology 1.

7. Psychology of Personality. 3 hrs.
A survey of methods, findings, and theories relating to the psychology of personality. Personality development, motivation, influences that contribute to adjustment and maladjustment; varieties of adjustive behavior, and influence of cultural forces. *Prerequisite:* Psychology 1.

8. Abnormal Psychology. 3 hrs.
Under discussion will be basic concepts of abnormality with particular emphasis on the major psychoses, common and mild forms of deviant behavior, and psychosomatic complaints. *Prerequisite:* Psychology 1. Open only to upper level students.

9. Psychological Tests and Measurements. 3 hrs.
Theory of psychological measurement, methods of evaluating tests, review and practical application of the most commonly used psychological tests. *Prerequisite:* Psychology 1, junior or senior standing.

10. Physiological Psychology. 3 hrs.
Structure and function of the nervous, sensory and muscular system; their roles in emotion, motivation, learning and behavioral disorders; regulatory mechanisms and effects of drugs and environmental agents on functioning. *Prerequisite:* Psychology 1.

11. Psychological Experimentation. 3 hrs.
An introduction to methodology in psychological experimentation. Students will gain experience in conducting a research project and presenting results of their study. Track 1 curriculum. *Prerequisite:* Psychology 1.

12. Advanced Experimental Psychology. 4 hrs.
An introduction to experimental methods in psychology emphasizing practice in formulating and investigating research problems, applying scientific method in a laboratory setting and developing skill in presenting scientific reports. Experience in literature review and application of the computer to research data. *Prerequisites:* Psychology 1, 21 and Computer Science 1.

13. Human Relations Training. 3 hrs.
A practicum designed to provide supervised first-hand experience in interpersonal communication. Intended primarily for students planning to enter the counseling or personnel fields, this course seeks to develop skills in attentiveness to verbal and non-verbal cues in identifying and understanding other people's feelings. *Prerequisite:* Psychology 1.

14. Psychology of Religion. 3 hrs.
An in-depth study of primary source readings of various psychological interpretations of religion, this class employs a seminar format, with classroom reports and discussion. Includes material from both Western and non-Western religion. *Prerequisite:* Consent of instructor.

15. Behavior Modification. 3 hrs.
The application of the learning and motivation principles of Skinner, Pavlov, Hull and Wolpe to abnormal psychology, mental retardation, education, industry and life in general. Beneficial to people who wish to pursue some avenue of counseling, or have intention of working in hospitals or clinics. *Prerequisite:* Psychology 1.

17. History of Psychology. 3 hrs.
Developmental trends in the history of psychology. Growth of major schools of thought, and evolution of leading concepts. A critical appraisal of the major trends in contemporary psychology. (Course designed for psychology majors.) *Prerequisite:* Psychology 1 and upper class status.

19. Introductory Statistics for Social Sciences. 3 hrs.
An introduction to commonly encountered statistical concepts and techniques, with an emphasis on practical application and interpretation. Includes descriptive and inferential statistics needed to address problems frequently found in a variety of work settings and use of computer applications for solution of such problems. *Prerequisite:* Psychology 1.

20. Theories of Counseling. **3 hrs.**
A survey of major contemporary theoretical approaches to counseling. Methods of counseling derived from each theory are presented in readings and demonstrations. The course may be of interest to students who are considering careers in clinical, counseling or school psychology, psychiatry, social work, guidance, or pastoral counseling. *Prerequisite:* Psychology 1.

21. Statistics and Methodology in the Behavioral Sciences. **4 hrs.**
Components of research design, scales of measurement, descriptive statistics, probability, and inferential statistics with emphasis on relating statistical techniques to general strategies of research in the social sciences. Includes a computer laboratory. *Prerequisites:* Psychology 1.

24. Developmental Psychology I. **2 hrs.**
A chronological survey of major developmental issues and tasks from conception through middle childhood. The principal theoretical perspectives are Erikson's psychosocial theory, Piaget's cognitive theory, and systems theory. Application of theory and research to issues confronted by health and human services practitioners, educators, and parents. Students with credit for Psychology 3 may not enroll. *Prerequisite:* Psychology 1.

25. Developmental Psychology II. **2 hrs.**
A chronological survey of major developmental issues and tasks from adolescence to death. The principal theoretical perspectives are Erikson's psychosocial theory, systems theory, and various theories of adult development. Application of theory and research to issues confronted by health and human services practitioners and by the children of aging parents. *Prerequisite:* Psychology 1.

26. Addictions and Recoveries. **3 hrs.**
Exploration of addictive substances and addictive behaviors and their impact on the individual, the family and society. Includes signs and symptoms, assessment, treatment, and recovery processes.

28. Laboratory in Developmental Psychology I. **1-2 hrs.**
Students work with children individually and in groups at the Child Development Center, planning and implementing age-appropriate activities under supervision of the director of the Center. *Prerequisite:* Concurrent enrollment in Psychology 24.

31. Laboratory in Psychological Experimentation I. **2 hrs.**
Directed participation in experimental procedures including literature review and experiment preparation. *Prerequisite:* Psychology 11.

32. Laboratory in Psychological Experimentation II. **2 hrs.**
Participation in experimental project, including experience with data compilation, preparation of abstracts and oral presentation of results. *Prerequisite:* Psychology 31.

35. Thesis in Psychology I. **2 hrs.**
Required of junior Track II majors. Students will gain experience in reviewing the literature on a specific research topic in experimental psychology and designing an experiment based on the previous research. *Prerequisite:* Psychology 12.

36. Thesis in Psychology II. **2 hrs.**
Continuation of Psychology 35. Students are given the experience of conducting laboratory research on topic reviewed in Psychology 35, analyzing the data and using APA standards in writing the lab report associated with the experiment. Students will also be required to present an oral defense of their research project. *Prerequisite:* Psychology 35.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Public Relations

See Communication and Dramatic Arts for description of major program.

Rehabilitation

The rehabilitation major integrates learning from the fields of biology, health, physical education, education, sociology, and psychology to prepare students who anticipate careers in physical therapy, occupational therapy, recreational therapy, vocational rehabilitation, and related fields. As a pre-professional program, it provides students a foundation for entering certificate and graduate programs or for employment in a field of therapy as a technical assistant or aide.

Each state has licensing laws in some fields of therapy, especially physical and occupational therapy. Students should contact their state's licensing board for information on these regulations to guide their preparation. Students interested in special education should contact Wesleyan's Department of Education for details regarding teacher certification.

Students are encouraged to be involved in rehabilitation settings with persons who have special needs — on a voluntary basis or in educational/work settings. All students are required to complete an internship during the senior year in a rehabilitation setting related to their career objectives. Placement may be in a rehabilitation hospital or center, mental health agency, nursing home, child development center, vocational rehabilitation office, adult fitness and exercise program, or camp for children with special needs.

Required Courses (48 hours minimum including internship)

Bio. 5	General Biology *or* — for students planning advanced study in biology — Bio. 1, 2 Principles of Biology, Structure and Function
PEd. 10, 11	Anatomy and Physiology *or* — for persons entering medical careers such as physical therapy or occupational therapy — Bio. 9, 10 Human Anatomy and Physiology (prerequisite, Chem. 1 or 5)
PEd. 12	Exercise Physiology
PEd. 14	Kinesiology
PEd. 24	Adapted Physical Education
Soc. 2	Principles of Sociology
Edu. 23	Exceptionalities and Human Diversity
Psy. 1	General Psychology
Psy. 3	Child and Adolescent Psychology *or* Psy. 24-25 Developmental Psychology I-II
Psy. 9	Psychological Tests and Measurements
Psy. 10	Physiological Psychology
Psy. 20	Theories of Counseling
	Internship (10 credit hours minimum)

Before undertaking the internship in the senior year the student must give ample evidence of academic preparation for such an experience. Performance will be evaluated to ascertain intellectual growth and skill development.

Electives (12 hours minimum)

Students choose from among the following electives upon the advice of the advisor and in conjunction with career objectives.

Soc. 3	Social Problems and Social Services
Soc. 35	Perspectives on Aging
Soc. 36	Sociology of Health
Gov. 12	Politics of Social Policy
Psy. 8	Abnormal Psychology
Psy. 15	Behavior Modification
Psy. 21	Statistics and Methodology in Behavioral Sciences
Com. 15	Speech and Language: Development and Correction
Edu. 11	Teaching of Reading
HEc. 36	Clothing, Equipment and Housing for the Disabled and Elderly
HEc. 41	Fundamentals of Human Nutrition
PEd. 6	Sports Medicine I

Special Note: Students preparing for careers in physical therapy should plan to enroll in introductory courses in chemistry, physics, and statistics.

Because this major is interdepartmental, it need not be accompanied by a minor.

Religion

A. Holmes, Bercovitz, Welliver

The study of religion is a study of traditions, commitments and some of the most important human questions. It encompasses scriptural foundations, historical development, theological reflection and social-cultural expression. In keeping with the tradition of the College, the study of Christianity receives particular attention, but attention is also given to other religions in the global community.

The major or minor is appropriate for persons preparing for further theological study and church-related vocations. It also recommends itself to students interested in pursuing studies which emphasize questions of meaning and mystery in human experience and which encourage the development of historical perspective and the critical habit of mind characteristic of the humanities.

Requirements for Major:

24 semester hours beyond the introductory course (1, 2), including 3, either 10 or 11, either 12 or 13, either 20 or 21, and either 25 or 26. Students anticipating a major should elect 1, 2, or 10 as their initial course. Seniors must complete a comprehensive examination.

Requirements for Minor:

15 semester hours

Any course numbered 1-26 which does not carry a prerequisite will fulfill the General Studies program requirement in Religion.

1. Introduction to Religion. **3 hrs.**
Basic religious questions; exploration of religious approaches to questions of truth, value judgments, and problems of personal and social existence.

2. Introduction to the Bible. **3 hrs.**
An introductory study of the Biblical literature, its origin in the Jewish and Christian communities, and the literary and cultural developments involved in its emergence as the norm of faith for those communities.

3. The Christian Tradition. **3 hrs.**
A study of ideas and movements in Christianity; selected thinkers in the early, medieval and reformation periods, Catholic and Reformation thought in the modern world.

4. Religion in America. **3 hrs.**
An introduction to the history of religion in America through the study of selected readings on the meaning of the American experience.

7. Christian Ethics. **3 hrs.**
Ethical issues in the Christian tradition, with attention to the sources of the tradition and to various moral theories; application to cases in both personal conduct and in society.

10. Old Testament Studies I. **3 hrs.**
The religion of Israel in historical perspective during the pre-exilic period, with emphasis upon the prophets.

11. Old Testament Studies II. **3 hrs.**
Selected groups of Old Testament writings — prophets, psalms, wisdom and apocalyptic literature — beginning at the time of the exile.

12. Jesus in the Gospels. **3 hrs.**
The mission and message of Jesus as presented in the Synoptic Gospels; methods of interpretation.

13. Paul and the Early Church. **3 hrs.**
A study of early Christian literature, with special focus on the Pauline letters.

14. Religious and Cultural World of the Bible. **3 hrs.**
Examination of religious and ethical ideas of the Biblical period. Selections will be made from materials from the Near East relevant to the Old Testament, intertestamental literature, or Jewish and Hellenistic background to the New Testament. *Prerequisite:* Religion 2 or 10.

15. Major Themes in Biblical Thought. **3 hrs.**
Study of selected ideas in Biblical theology — such as man, sin and suffering, creation and world, faith, revelation, Christ and salvation, covenant, church and kingdom of God. *Prerequisite:* One course in the department.

20. Basic Christian Faith. **3 hrs.**
An introductory study of basic elements of Christian theology. Emphasis is placed on the situation and interpretation of the Christian faith in the modern world.

21. Modern Christian Thought. **3 hrs.**
A seminar on selected modern Christian thinkers. Recommended for upperclassmen. Selections will vary from year to year. *Prerequisite:* One course in the department.

25. Judaism and Islam. **3 hrs.**
A historical study of Judaism and Islam against the background of other Near Eastern religions, such as Zoroastrianism and Christianity; consideration of current expressions of faith and practice.

26. Hinduism and Buddhism. **3 hrs.**
A historical study of the faith and practice of Hinduism and Buddhism, with consideration of other Asian religious traditions alongside which these have developed.

88. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum. Topics may include significant religious thinkers, a major religious theme traced in various historical expressions, or a creative period in religious history.

Greek

40, 41. New Testament Greek I, II. **Each 3 hrs.**
Elementary Hellenistic Greek grammar oriented toward the reading of the Greek New Testament. This course may not be counted toward general education in religion or included in the minimum hours required for a major or minor. *Offered in alternate years.*

Social Science

Wesleyan offers an interdisciplinary major in social science for students seeking a basic understanding of the structure of society, its institutions, and the activities of its members. Students planning to teach social studies will find teacher certification requirements in the Education section of this catalog.

Requirements for Major:

39 semester hours including Economics 10, 11; Government 1; History 21, 22; Psychology 1; Sociology 1, 2; plus 15 additional hours from the above disciplines. (This list includes the 9 hours in the social sciences required for General Studies.) Students are encouraged to consult with their advisor in making specific course selections.

Sociology and Anthropology

Warner, Bright, Flaxer, Peterson, Rao

The study of sociology and anthropology assists students in developing their understanding of the general character of human relationships and the dynamic interaction between persons and social roles and social structures. Faculty members take a special interest in the issues of freedom and oppression, of human rights and those social structures which inhibit those rights.

Requirements for Major in Sociology:

25 semester hours including 1, 2, 24, 29, 52, and 59. It is strongly recommended that majors elect at least one course in each of the other social sciences. Students planning graduate study should elect a course in statistics and computer programming. History 48 (Arabs and the Middle East) may be credited toward a major or minor in sociology.

Requirements for Minor in Sociology:

15 semester hours, including 2 and 52.

Requirements for Minor in Anthropology:

15 semester hours, including 1, 41, 42 and 49. January Term courses in Magic, Witchcraft, Cults and Religions, and 3 semester hours of Indian Studies (a summer course), as well as learning contracts in anthropology may be credited toward the minor.

1. Introduction to Anthropology. 3 hrs.
An investigation into human differences and similarities through time and space and an examination of the interaction of biological, cultural and ecological factors in the development of humans and their extremely diverse life styles. Archaeology, linguistics, physical anthropology and cultural anthropology are introduced together with topics such as marriage, kinship, economic systems, political organization, subsistence systems, technology, religions and cultural change.

2. Principles of Sociology. 3 hrs.
Introduction to the sociological perspective, the traditions, concepts and methods of social inquiry. Examination of society's highly structured organizational and institutional life; the dynamic relationship between person, role and social structure; collective behavior, socialization, culture, conflict and change. The value of human freedom and the structures which restrict it.

3. Social Problems and Social Services. 3 hrs.
A study of social problems and related issues and trends with a critical emphasis on current policies, services, and programs designed as problem-resolution efforts. Social welfare as an institution is introduced in the broad context of industrialization and social change.

11. Appalachian Studies. 3 hrs.
The study of a rural region includes discussion of the role of coal in the life of the region, poverty, community life, migration, folk arts and crafts, and social change.

12. Sociology of Change and Development. 3 hrs.
Overview of approaches to development and the process of planned social change, with emphasis on participatory roles (including contributions of women, the elderly, and the disabled), as well as indigenous cultural values and social policy. Critical examination and comparison of selected case studies from developed and developing countries. *Prerequisite:* Sociology 2.

13. Urban Sociology. 3 hrs.
The history, growth and current impact of urban life, with attention to the characteristics of the urban environment, urban social problems, and special issues within the developing nations.

16. Social Organization. 3 hrs.
Analytical study of organizations and communities, their function and structure, at local, national, regional and international levels, as they both enable planned action and limit freedom to act toward common goals. Emphasis on the theory and process of bureaucracy, issues concerning vertical and horizontal communication, decision-making, and the process of organizational change. *Social Work majors must consult Social Work Program handbook regarding prerequisites.*

17. The African-American Experience in America. 3 hrs.
A survey of African-American presence in America from slavery to the present with emphasis on critical thinkers, protest movements and social institutions. Emphasis will include 19th century writers, the 1941 and 1963 marches on Washington, and the Niagara Movement. Offered as a Sociology or History elective.

18. Women in Social Transition. 3 hrs.
Historical and global perspectives on the development of sex roles. Emphasis upon examination of socio-economic, political, psychological and familial implications of traditional and emerging roles of women in contemporary societies.

19, 20. Indian Studies I, II. Each 3 hrs.
Two summer courses. I: A survey of origins of Native Americans on this continent, relations between Indians and the United States government, cultural traditions of several tribes, and contemporary issues. II: A travel course including visits to Cherokee, Pueblo, Navaho and other communities in the Southwest, as well as prehistoric Indian ruins.

21. Juvenile Delinquency. 3 hrs.
A survey of the causes, theoretical explanations, and methods of prevention and "treatment" of juvenile delinquency; public attitudes toward juvenile delinquency and the history of the juvenile justice system in America.

22. Criminology. 3 hrs.
A study of the types and causes of crime, methods of prevention, punishment and rehabilitation, and the administration of criminal justice. Includes a special section on rural crime.

23. Social Inequality. 3 hrs.
Studies the process by which people are ranked in hierarchies of class, status and power. Examines the American class structure and other societal systems such as caste, estate, socialism, and meritocracy. The course analyzes the consequences of inequality for society (poverty and the "power elite"), and for individuals (life chances and life styles).

24. Racial and Ethnic Minorities. 3 hrs.
A study of racial and ethnic minorities in the U.S.A., South Africa, Palestine, the U.S.S.R., Latin America, and Gypsies of Europe. Major theories of racial conflict and interracial tensions throughout the world; methods of reducing tensions and working toward pluralism, assimilation or integration.

25. The Family in Transition. 3 hrs.
A study of the contemporary institution of the family in an international context. Diverse family patterns, structures, and functions and male and female roles, with emphasis on the family's responsiveness to change. The impact of increasing longevity, divorce rates, economic recession, and participation of women in the work force.

26. Population and Society. 3 hrs.
The examination of demographic processes relating to human populations, and their effects on society. Issues of population composition and distribution, fertility, mortality, migration and the "growth problem." Techniques of population measurement and societal responses to population changes.

27. Conflict and Conflict Resolution. 3 hrs.
An overview of the theories, causes, and dynamics of social conflict, with an emphasis on conflict resolution from a sociological point of view. Examines conflicts experienced at the inter-group, inter-organizational, and international levels. Opportunity to learn some practical techniques of conflict resolution.

28. Sociology of Religion. 3 hrs.
Religious experience and organizational life from a scientific sociological perspective. The emergence and change of religious organizations, their relationship to other social institutions, and the potential of religion for fostering cohesion, conflict and change in society. Includes topics such as civil religion, secularization, ecumenism, and religion and war.

29. Research Methods in the Social Sciences. 3 hrs.
A course focusing on scientific investigation and the design of program and practice research in the field of social science, with attention to the use of both qualitative and quantitative methods, the appropriate use of statistics, and a working knowledge of selected computer programs. *Prerequisite:* Soc. 2 plus six hours in the department.

35. Perspectives on Aging. 3 hrs.
Multidisciplinary perspectives and diverse theories on aging. Cross-cultural (international) comparison of gerontological issues and current trends, with main focus on contemporary American scene. Emphasis upon personal, national and international preparation for productive aging. *Prerequisite:* Sociology 2 or permission of instructor.

36. Sociology of Health. 3 hrs.
A critical examination of major problems and issues in the American health system, including social and political "causation" of disease; the relationship of health service providers, allied health industries, and government; the role of technology; the wellness movement; escalating health care costs; and alternative models of health delivery. *Prerequisite:* Sociology 2.

41. Cultural Anthropology. 3 hrs.
A study of the various branches, history, scope, and organization of culture. The growth of culture, theories, universals, material culture, economic organization, social and political organization, social control, world view, linguistics, and the relation of culture to the individual. *Prerequisite:* Soc. 1 or permission of instructor.

42. Archaeology. 3 hrs.
An introduction to a scientific technique for the removal from the earth of cultural evidence concerning the activities and works of man in the past, including identification, preservation, and interpretation of such material. *Prerequisite:* Soc. 1 or permission of instructor.

47. Israel and the Palestinians. 3 hrs.
A survey of the struggle for possession of the land called Palestine, claimed by the Jews — descendants of Abraham through his son Isaac — and the Arabs — descendants of Abraham through his son Ishmael. A study of the claims, the conflict, and the suffering on both sides.

49. History and Theory of Anthropology. 3 hrs.
An upper-level study of the development of Anthropology from early days to the present, looking at the major contributors and the major approaches to anthropological integration. *Prerequisites:* Sociology 1, 41, and junior or senior standing.

52. Social Theory. 3 hrs.
A review of the major sociological theorists and schools of thought from Comte to Ethnomethodology and Critical Theory. *Prerequisites:* Soc. 2 plus nine hours in the department.

59. Senior Sociology Seminar. 1 hr.
A class limited to seniors in the department, this seminar requires members to present their "senior paper" and participate fully in responding to class presentations.

88. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

Speech Communication

See Communication and Dramatic Arts for description of major and minor programs.

Sports Medicine

The sports medicine major is designed to prepare students for entry into the commercial or clinical sports medicine sectors which serve clients through injury prevention, treatment, rehabilitation, and exercise prescription to enable participation in healthful activities. The major also provides a solid academic and clinical background for students interested in pursuing graduate study in athletic training, sports medicine, sports psychology, or other related disciplines.

Requirements for Major:

Physical Education 6, 7, 8 (I-IV), 12, 14, 17, 18, 19, 24, 52; Chemistry 5, 6 or Physics and Engineering 11, 12; Biology 9, 10; Human Ecology 41.

Master of Business Administration Program

Building on the established strength of its most heavily enrolled area of study, Wesleyan offers a course of study leading to the Master of Business Administration degree. The program incorporates study in accounting, finance, management, economics, and marketing, and places special emphasis on the development of problem-solving and decision-making skills. Committed to concern for individuals and the issues that affect them in society, the broad, integrated curriculum reflects the belief that the graduate should be a generalist capable of integrating fundamental knowledge of business functions in a changing environment.

The 36-credit hour program is designed to be pursued either on an intensive schedule by full-time students or on a part-time basis by business professionals, utilizing evening, weekend, and summer class opportunities. A supplement to this catalog which contains detailed information on admission and academic policies and tuition and fees is available upon request from the M.B.A. Office, which can also provide course schedules.

Admission:

Application for admission to the program is invited from any graduate of an accredited college or university regardless of the undergraduate major. The M.B.A. Admission Committee will evaluate academic achievement at the undergraduate level, test scores, special skills, and other factors relevant to successful candidacy.

Applicants must submit scores from the Graduate Management Admission Test (GMAT), administered by the Educational Testing Service.

The following undergraduate core courses are prerequisite:

Principles of Accounting	6 hrs.
Principles of Management	3 hrs.
Principles of Marketing	3 hrs.
Principles of Economics	3 hrs.
Statistics	3 hrs.

With permission of the advisor, certain of these core courses may be taken concurrently with enrollment in M.B.A. courses. However, all core requirements must be met by the time a student has completed 12 hours of graduate courses. Credit for prerequisite courses may be granted based on professional experience.

Graduation Requirements:

1) For continuance in Wesleyan's M.B.A. program a candidate must maintain a 3.0 grade point average and earn no more than six hours of average course work (two C grades) or three hours of a lower grade.

2) All degree candidates are required to complete the following courses:

500. Advanced Managerial Accounting
515. Financial Management
520. Operations Management
530. Marketing Management
540. Business Research and Forecasting
545. Statistical Methods
570. Managerial Economics
585. Business and Society
595. Business Policy

3) The remaining nine hours may be elected from other listed graduate business courses or courses approved for transfer from other institutions.

4) An application for degree must be filed one semester prior to graduation.

5) An exit evaluation will be scheduled with the M.B.A. steering committee.

500. Advanced Managerial Accounting. 3 hrs.
Special topics in cost accounting including budgeting, profit plan control, tax planning, inventory control, with special emphasis on decision models. Cash forecasting, modeling the financial aspects of the firm and analyzing the financial statements for investment decisions. *Prerequisites:* Accounting I, II; BA 505 if accounting study or professional practice is not recent.

505. Financial Accounting. 3 hrs.
The rationale for, and implications of, important accounting concepts and accounting procedures that enable the student to interpret, analyze, and evaluate financial statements. Applications of financial statements to the decision-making process. *Prerequisites:* Accounting I, II.

515. Financial Management. 3 hrs.
A study of the development of the financial management issues of a corporation, including the analysis of various financial models to improve existing short- and long-term asset management and the cost of obtaining new capital for expansion through debt or equity issues. Specific topics include the importance of budgeting techniques in decision making, and the role of leverage and its impact on a corporation. *Prerequisites:* Accounting I, II.

520. Operations Management. 3 hrs.
A study of the structure and behavior of an organization in relationship to planning, organizing, staffing, leading, and controlling from the system perspective. Quantitative techniques, as well as creativity, considered as methods of solving problems and making managerial decisions. *Prerequisite:* Principles of Management.

523. Organizational Behavior. 3 hrs.
The development of effective work groups in business based on the study of both intrapersonal and interpersonal relationships. The individual's personal relevance probed through the study of perception, motivation, learning, attitude and stress. Interpersonal relations in such areas as leadership, communication, problem-solving, influence and power. Exercises, observation schemes, and conceptual models. *Prerequisite:* BA 520.

525. Human Resources Management. 3 hrs.
The process of bringing people and organizations together so that the goals of each are met. Emphasis on the growing need to link strategic planning of the organization with human resource planning. *Prerequisite:* BA 520.

527. Leadership. 3 hrs.
Leadership as a function of management, including specific approaches and techniques that have proven effective. Literature search focused on the particular knowledge and skills that enhance leadership abilities; class and panel discussions of the leadership role, emphasizing the importance of communication skills and the development of an effective work environment. Written and oral components.

530. Marketing Management. 3 hrs.
The marketing function and its problems from the management point of view. Consumer behavior, identification, and measurement with relevance to market segmentation and product positioning. Analysis of the market mix: product, pricing, distribution and promotion. Student involvement through oral and written reports, case studies, class presentations and exams. *Prerequisite:* Principles of Marketing.

532. International Marketing. 3 hrs.
The strategic implications of international marketing — whether one is deciding to market abroad or determining how to defend against foreign competition at home. Case studies will concentrate on building market plans spanning two or more countries; both industrial and consumer markets will be covered. Topics will include the organizational problems of managing markets at great distances; culture and its implications for the analysis of consumer motivation; international transactions and nations' comparative advantages in international trade. *Prerequisite:* BA 530.

540. Business Research and Forecasting. 3 hrs.
The sources and uses of business data. Methodology of research design and execution including the scientific approach, descriptive versus causal studies, data collection, questionnaire design, sampling theory, data compilation and interpretation, variance analysis, extrapolation, and the writing and presentation of business research findings. Emphasis on the practical uses of research in decision making. Should be taken as one of the first M.B.A. courses.

545. Statistical Methods. 3 hrs.
Statistical models, probability distributions, hypothesis testing, regression, transformations, analysis of variance, Chi-square and split-plot experimental designs, planned and unplanned multiple and orthogonal comparisons, time series analysis and forecasting. Computer software analysis of case materials. *Prerequisite:* Statistics.

548. Operations Research. 3 hrs.
The application of operation research/management science techniques to the management decision process. Decision theory, decision trees, linear programming, dynamic programming, transportation models, queuing theory, simulation, network analysis, and inventory models. Emphasis on the practical application of management science tools to solving realistic problems via the microcomputer. *Prerequisite:* BA 545 recommended.

560. Management Information Systems. 3 hrs.
The impact of computer technology on the management of resources. Computer management applications, information management, system performance, system planning, selection, implementation, and evaluation from a managerial perspective. Presentations and case analysis using current software packages for decision analysis, modeling, and data storage and retrieval.

570. Managerial Economics. 3 hrs.
The principle uses of economic theory in managing the firm. Applying economic analysis to solving problems faced by business management; understanding the economic basis for business policies and key economic concepts that affect business decisions. Economic and legal backgrounds of decisions on price, output, investment, and related matters; consequences of such decisions. *Prerequisite:* Principles of Economics; Statistics recommended.

580. Global Economic Restructuring. 3 hrs.
An examination of fundamental global economic changes and the corresponding role of the corporation. The United States economy is compared with the Japanese, European, and Third World economies. Policy implications for business and government are examined.

581. Business and Public Policy. 3 hrs.
The interaction between the executive and legislative branches of government and business in the United States and other countries in an macroeconomics context. The impact of government's fiscal and monetary policies on the economy in general and business in particular. *Prerequisite:* Principles of Economics.

583. Personal Investment Strategy. 3 hrs.
The practical application of concepts of investing and personal financial planning. Consideration of the various investment opportunities in the United States today, with primary emphasis on the stock market. The goal will be to set forth investment principles that the student can apply to maximize return and minimize risk.

584. Productivity Software for Managers. 3 hrs.
Computer-based information processing systems that support the operations and decision-making processes in organizations. Students will gain hands-on experience in using productivity software, including spreadsheet, database, graphing, and word processing packages, on both the mainframe and the personal computer. No previous computer experience is required. This course is recommended as a foundation M.B.A. course for students who do not have strong database and spreadsheet background.

585. Business and Society. 3 hrs.
The ethical core of managerial problems: ethics and the free market ideology; the competitive advantage of ethics-based thinking; uncovering organizational ground rules; breaking the gridlock of competing interests; three ethical conceptual "tools;" resolving conflicts between business ethics and public ethics; why organizations should have weak cultures and strong ethics; purpose, creativity, and responsibility. Extensive use of case studies and student presentations.

588. Special Topics. 3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

590. Executive Communications. 3 hrs.
The implications and importance of clear, correct and coherent communication in the business environment. Oral presentations and writing effective letters, memos and reports.

595. Business Policy. 3 hrs.
Capstone course, taken near the end of the program, to integrate the functional areas of accounting, finance, management and marketing. Patterned after the Harvard case method. Out-of-class reading, analysis, and study group interaction; written communication, panel discussions and oral reports. *Prerequisites:* BA 500, 515, 520, 530, 570.

Register

Administrative Officers and Staff

President of the College

President of the College ..... Thomas B. Courtice
Administrative Assistant ..... Nancy P. Wood

Dean of the College

Dean of the College ..... G. Thomas Mann
Assistant Dean ..... G. Mark DeFoe
Administrative Assistant ..... Jane F. Crutchfield
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Coordinator of Alternative Education ..... Howard H. Bright
Director of the M.B.A. Program ..... Dean H. Ruhlow
Director of the Honors Program ..... John R. Warner
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Assistant Director ..... Thomas R. Merrill
Administrative Assistant ..... Christine M. Mundy
Coordinator of Academic Support Services ..... Suzanne K. Haas
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Coordinator of External Education and Testing ..... Cynthia J. Wentz

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Dean of Student Development and Enrollment Management ..... Trina A. Dobberstein
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Director of the Health Center ..... Dena D. Morrell
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Athletic Trainers ..... Paul A. Bailey, Joseph R. Leaman
Baseball Coach ..... Randall L. Tenney
Men's Basketball Coach ..... Charles E. Miller
Women's Basketball Coach ..... Cindy A. Cavanaugh
Men's and Women's Cross Country Coach ..... E. Michael Snyder
Football Coach ..... William Struble
Golf Coach ..... James K. Myers
Men's Soccer Coach ..... Gavin D. Donaldson
Women's Soccer Coach ..... M. Melinda Quigg
Softball Coach ..... Michael E. Hinkle
Men's and Women's Swimming Coaches ..... Maureen B. McCauley, Daniel B. Williams
Men's and Women's Tennis Coach ..... James R. Smith
Men's and Women's Track Coach ..... Paul D. Price
Women's Volleyball Coach ..... Sharon A. Thomas
Coordinator of Audiovisual Services ..... James R. Nutter
Director of the Service Center ..... Dotty L. Hewitt
Supervisor of the Campus Post Office ..... Inez J. Wilfong

Dean of the Chapel

Dean of the Chapel ..... Gerald E. Wood
Coordinator of Volunteer Services ..... Jean M. O'Halloran
Administrative Assistant for College Functions ..... June Rose Simmons

Executive Director of Development

Executive Director of Development ..... John F. Fluke
Administrative Assistant ..... Barbara A. Hinkle
Director of Alumni Relations ..... Kent H. Carpenter
Director of College Relations ..... Barbara E. Clowdus
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Director of Planned Giving ..... Herbert L. Sharp
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Michael J. Aloi
President of West Virginia Wesleyan College Alumni Council
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President of West Virginia Wesleyan College Community Council

Members Elect

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Thomas W. Cole, Jr., Atlanta, GA
E. David DuBois, Charleston
Robert S. Foltz, Pittsburgh, PA
David C. Hardesty, Jr., Charleston
Ellen S. Carter, Buckhannon
Carl V. Lyon, Annandale, VA
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John F. McCuskey, Charleston
C. David McMunn, Clarksburg
James R. Thomas II, Charleston
Peter D. Weaver, Pittsburgh, PA

Terms Expire 1994
Suzan E. Bly, Winston-Salem, NC
Ronald W. Cadmus, New York, NY
John R. Campbell, Buckhannon
Stephen Coonts, Denver, CO
Thomas E. Dunlap, Sr., Charleston
Harold T. Elmore, Morgantown
Robert E. Heaton, Pittsburgh, PA
Thomas H. Keadle, Buckhannon
James R. McCartney, Morgantown
Violet L. Petso, Morgantown
William E. Watson, Wellsburg

Terms Expire 1995
Sue Woods Coleman, Huntington
Kay Huffman Goodwin, Ripley
Robert P. Hartley, Ravenswood
Daniel B. Johnson, Parkersburg
John L. McClaugherty, Charleston
Alfred L. Moyé, San Mateo, CA

Terms Expire 1996
D. Keith Clarke, Williamstown
Sally Duncan, Huntington
I. Frank Hartman II, Buckhannon
Basil A. Hensley, Elkins

The Faculty

Thomas B. Courtice
President of the College (1986). B.S., University of Pittsburgh; M.B.A., Indiana University; Ph.D., University of Minnesota.

Arminta T. Baldwin
Professor of English (1966). A.B., Glenville State College; M.A., West Virginia University.

Anona A. Berry
Assistant Professor of Art (pt) (1990). B.S., Kutztown State College; M.Ed., Temple University.

Michael L. Berry
Professor of Mathematics (1966). B.S., West Virginia Institute of Technology; M.A., Pennsylvania State University.

Robert S. Braine
Professor of Health and Physical Education (1969). B.S., Lock Haven State College; M.A.T., University of North Carolina; Ed.D., West Virginia University.

Howard H. Bright
Professor of Sociology and Coordinator of Alternative Education (1967). B.S., University of Pittsburgh; S.T.B., Th.D., Boston University.

Richard S. Calef
Professor of Psychology (1970). B.A., University of Bridgeport; M.A., Ph.D., Southern Illinois University.

Ruth A. Calef
Associate Professor of Psychology (1971). B.A., North Central College; M.A., Ph.D., Southern Illinois University.

Margaret C. Campbell
Assistant Professor of Nursing (1976). B.S.N., Alderson-Broaddus College; M.S.N., West Virginia University.

Kent H. Carpenter
Assistant Professor of Health and Physical Education and Director of Alumni Relations (1969). B.A., West Virginia Wesleyan College; M.Ed., Ohio University.

Marvin H. Carr III
Associate Professor of Christian Education and Church Leadership and Director of Parish Ministry (1974). B.S., M.A., West Virginia University; B.D., Duke Divinity School; S.T.M., Union Theological Seminary; D.Min., Methodist Theological School of Ohio.

Cindy A. Cavanaugh
Assistant Professor of Physical Education and Health and Coach of Women's Basketball (1991). B.S., Western Illinois University; M.S., Utah State University.

Michael C. Choban
Associate Professor of Psychology (1982). B.A., West Virginia Wesleyan College; M.A., Ph.D., West Virginia University.

Richard C. Clemens
Associate Professor of Business (1977). B.B.A., Ohio University; M.B.A., Bowling Green State University.

Thomas W. Cline
Assistant Professor of Business (1990). B.S., M.B.A., University of Virginia.

Nancy L. Cofield
Associate Professor of Nursing (1983). B.S.N., M.S., M.S.N., West Virginia University; D.S.N., University of Alabama at Birmingham.

Carl M. Colson
Professor of Biology (1969). B.S., University of Nebraska; Ph.D., University of Florida.

Phyllis E. Coston
Associate Professor of Education and Director of the Learning Center (1963). A.B., West Virginia Wesleyan College; M.A., Northwestern University.

Boyd H. Creasman
Assistant Professor of English (1990). B.A., Middle Tennessee State University; M.A., Ph.D., Florida State University.

Stephen E. Cresswell
Associate Professor of History (1986). B.A., University of Virginia; M.A., M.L.S., Catholic University; Ph.D., University of Virginia.

Benjamin F. Crutchfield
Associate Professor of Library Science and Director of Library Media Services (1969). B.A., M.S.L.S., University of North Carolina.

Anthony E. J. A. Davies
Assistant Professor of Economics (1992). B.S., St. Vincent College; Ph.D., State University of New York at Albany.

Caroline L. Dees
Associate Professor of Music (1969). A.B., Tift College; M.M., University of Kentucky.

G. Mark DeFoe
Professor of English and Assistant Dean of the College (1975). B.S., M.A., Oklahoma State University; Ph.D., University of Denver.

Billie J. Farrier
Assistant Professor of Chemistry (1990). B.S., Alderson-Broaddus College; Ph.D., Virginia Polytechnic Institute and State University.

Elaine B. Flaxer
Assistant Professor of Sociology and Social Work and Director of Social Work Program (1981). B.A., State University of New York at Cortland; M.S.W., West Virginia University.

Shirley D. Fortney
Assistant Professor of Education (1992). B.A., Fairmont State College; M.A., Marshall University; M.A., West Virginia College of Graduate Studies.

Jean M. Fruh
Assistant Professor of Physical Education and Director of Athletic Training Program (1984). B.S., M.S., Springfield College.

Barbara E. Frye
Assistant Professor of Nursing (1990). B.S., West Virginia Wesleyan College; M.S.N., West Virginia University.

Murrell M. Gillan
Associate Professor of Business (1990). B.S., University of Tampa; M.S., Clarkson University.

Katherine R. Glenney
Assistant Professor of Psychology (1989). B.A., Susquehanna University; M.S., Shippensburg University; Ed.D., West Virginia University.

Katharine B. Gregg
Professor of Biology (1976). B.A., Emory University; Ph.D., University of Miami.

Anthony A. Gum
Associate Professor of Business (1969). A.B., Glenville State College; M.A., Marshall University.

Lillian J. S. Halverson
Professor of Human Ecology and Director of Didactic Program in Dietetics (Plan IV) (1970). B.S., M.S., Stout State University; Ph.D., Ohio State University.

Donald L. Hamilton
Associate Professor of Music (1985). A.B., Fairmont State College; M.M., West Virginia University.

Allen T. Hamner
Professor of Chemistry (1969). B.S. West Virginia Wesleyan College; Ph.D., Cornell University.

Paul R. Hickman
Professor of Earth Science (1958). B.S., Ohio State University; M.S., West Virginia University.

Annette R. Hiedemann
Professor of Psychology (pt) (1968). B.A., University of California; Ph.D., Leopold-Franzens Universitat, Austria.

Arthur B. Holmes
Professor of Religion (1970). B.S., Stetson University; B.D., Emory University; Ph.D., Drew University.

Nancy A. Jackson
Associate Professor of Nursing (1977). B.S., Boston University; M.N.Ed., Ph.D., University of Pittsburgh.

Barbara M. Kean
Assistant Professor of Education (1990). B.S., East Carolina University; M.A., West Virginia College of Graduate Studies; M.A., University of West Virginia College of Graduate Studies; Ed.D., West Virginia University.

Carol Ann Kearns
Assistant Professor of Biology (1992). B.S., Southhampton College; M.S., University of New Hampshire; Ph.D., University of Maryland.

Bernard F. Keating
Associate Professor of Philosophy (1977). B.A., College of William and Mary; M.A., Ph.D., University of Virginia.

Daniel T. Keegan
Associate Professor of Art (1992). B.A., University of Wisconsin; M.F.A., Southern Illinois University.

Ronald H. Klausewitz
Associate Professor of Computer Science and Engineering (1974). B.S., M.S., University of South Florida.

George A. Klebez
Associate Professor of Health and Physical Education and Director of Athletics (1986). B.S., West Virginia Wesleyan College; M.S., D.Phys.Ed., Indiana University.

Michael Kuba
Instructor in Psychology and Director of Counseling and Wellness Center (1987). B.A., Bowling Green State University, M.A., Villanova University.

Kathleen M. Long
Assistant Professor of Communication (1987). A.B., M.A., West Virginia University; M.S., Southern Illinois University.

Gretchen H. Lynn
Assistant Professor of Computer Science (1989). B.S., Concord College; M.S.; University of Tennessee-Knoxville.

William M. Mahoney
Associate Professor of History (1983). B.A., University of Delaware; M.A., Wake Forest University; Ph.D., University of Connecticut.

William E. Mallory
Professor of English (1969). B.A., The American University; M.A., University of Washington; Ph.D., State University of New York at Buffalo.

G. Thomas Mann
Professor of German and Dean of the College (1991). B.A., Wayne State University; M.A., University of Kansas; Ph.D., University of Michigan.

Judith R. Martin
Associate Professor of Library Science, Assistant Director of the Library and Cataloger (1976). B.A., Wheeling College; M.A., M.S.L.S., University of North Carolina.

Edward J. McBride
Associate Professor of Physics and Engineering (1991). B.S., University of Kansas; M.A., Harvard University; Ph.D., University of Kansas.

Rodger J. McCormick
Professor of Biology (1977). B.S., Shippensburg State College; M.S., University of Maryland; D.Ed., Pennsylvania State University.

Judith A. McKinney
Associate Professor of Nursing (1977). B.S., West Virginia Wesleyan College; M.A., M.S.N., Ed.D., West Virginia University.

W. Irene McKinney
Associate Professor of English (1990). B.A., West Virginia Wesleyan College; M.A., West Virginia University; Ph.D., University of Utah.

David A. Milburn
Professor of Music (1966). B.Mus., M.Mus., West Virginia University; D.M.A., Catholic University of America.

Ashley Morrissette
Assistant Professor of Government and Philosophy (1982). B.A., State University of New York; M.A., University of Minnesota; M.A., University of Toronto; Ph.D., Claremont Graduate School.

Kumaran R. Nair
Professor of Economics (1969). B.A., M.A., Kerala University, India.

Betty J. Norvell
Professor of Communication and Dramatic Arts (1957). A.B., Greensboro College; M.F.A., Ohio University; Ph.D., West Virginia University.

David G. Nowak
Assistant Professor of Library Science and Reference Librarian (1989). B.A., University of Wisconsin-Milwaukee; M.A., Ph.D., University of Wisconsin-Madison.

Robert J. O'Brien
Associate Professor of English (1971). B.A., Louisiana State University; M.A., Ph.D., University of Iowa.

David L. Oldaker, Jr.
Instructor in Business (1988). B.S., West Virginia Wesleyan College; M.P.A., West Virginia University; C.P.A.

Larry R. Parsons
Professor of Music (1968). B.A., Kansas Wesleyan University; M.S.M., Southern Methodist University; D.M.A., University of Illinois.

Karen R. Petitto
Instructor in Human Ecology (1992). B.A., Fairmont State College; M.Ed., University of North Carolina at Greensboro.

G. Albert Popson, Jr.
Assistant Professor of Physics and Engineering (1989). B.S., M.S., Indiana University of Pennsylvania; Ph.D., Clemson University.

Sandra E. Presar
Assistant Professor of Communication and Dramatic Arts (1968). B.S., M.A., Bowling Green State University.

Vijaya Rao
Professor of Sociology and Social Work (1990). B.A., M.A., Agra University, India; M.S.W., The M.S. University of Baroda, India; D.S.W., University of Pennsylvania.

Larry A. Reed
Professor of Communication and Dramatic Arts (1977). B.A., West Virginia Wesleyan College; M.A., M.F.A., West Virginia University.

Beverly K. Rhoads
Assistant Professor of Art (1992). B.F.A., Western Carolina University; M.F.A., University of Pennsylvania.

G. Paul Richter
Professor of Chemistry (1965). B.A., Grinnell College; Ph.D., University of Minnesota.

Jeffrey L. Rinkel
Instructor in Communication (1992). B.A., M.A., University of Northern Iowa.

Dean H. Ruhlow
Professor of Business and Director of M.B.A. Program (1959). B.S., West Virginia Wesleyan College; M.A., University of Nebraska.

Lynn G. Rupp
Instructor in Education (1992). B.A., Ohio Wesleyan University; M.S., Syracuse University.

Robert O. Rupp
Associate Professor of Government and History (1989). B.A., Ohio Wesleyan College; M.A., Ph.D., Syracuse University.

Linda R. Sabak
Professor of Music (1974). B.Mus., M.Mus., D.M.A., West Virginia University.

John K. Saunders
Associate Professor of English (1983). B.A., M.A., Oklahoma State University; Ph.D., State University of New York at Stony Brook.

Hamid Shaafi
Associate Professor of Business (1990). B.S., M.P.A., University of Tehran; Ph.D., Syracuse University; C.M.A.

David W. Sheppard
Professor of Mathematics and Physics (1980). B.A., Gordon College; B.D., Andover-Newton Theological School; M.A., Brown University; M.L.S., University of Pittsburgh; Ph.D., Ohio State University.

James R. Smith
Associate Professor of Health and Physical Education and Coach of Tennis (1968). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

Marjorie E. Trusler
Professor of French and Spanish (1969). B.A., Hood College; M.A., Middlebury College; Ph.D., Emory University.

John S. Turner, II
Assistant Professor of Communication (1992). B.A., St. Andrews Presbyterian College; M.A., East Carolina University.

John R. Urquhart
Associate Professor of Communication and Dramatic Arts (1990). B.A., M.A., Ph.D., Florida State University.

John R. Warner, Jr.
Professor of Sociology and Director of Honors Program (1970). B.A., Baker University; S.T.B., Ph.D., Boston University.

Kenneth B. Welliver
Professor of Religion (1964). B.A., DePauw University; B.D., Yale Divinity School; M.A., Ph.D., Yale University.

Joseph E. Wiest
Professor of Mathematics and Physics (1973). B.S., Eastern Illinois University; M.S., Ph.D., University of Kentucky.

Thomas H. Williams
Assistant Professor of Education (1991). B.A., Fairmont State College; M.A., West Virginia University; Ed.D., Virginia Polytechnic Institute and State University.

Esther G. Wilmoth
Associate Professor of Education (1965). A.B., West Virginia Wesleyan College; M.A., Scarritt College.

Special Faculty Appointments

Dianne D. Bailey
Lecturer in Nursing. M.S.N.

Michael Benigni
Lecturer in English. M.A.

Colleen R. Culpepper
Lecturer in Nursing. B.S., R.N.

Alice D. Dillon
Learning Center Instructor. M.A.

Nancy H. Eshelman
Lecturer in Human Ecology. M.A.

Francisco J. Figueroa
Lecturer in Spanish. M.A.

Suzanne Haas
Learning Center Instructor and Coordinator of Academic Support Services. M.A.

Jolanda S. Holmes
Lecturer in German. B.S.

Robert T. Horstman
Learning Center Instructor. M.Th.

Matthew Hymes
Lecturer in Business. J.D.

Michael O. Kasongo
Lecturer in History. Th.M., M.A., Ph.D.

Shawn M. Kuba
Learning Center Instructor. M.A., M.S.

Dorothy M. Lantz
Lecturer in Art. B.A.

Carolyn Mallory
Learning Center Instructor. M.Ed.

Richard Manspeaker
Lecturer in Music. B.Mus.

David McCauley
Lecturer in Business. J.D.

Randall L. McNemar
Lecturer in Health and Physical Education. M.S.

Thomas R. Merrill
Assistant Director of Learning Center. M.A., M.Div.

David L. Miller
Lecturer in Music. M.M.

Patience Nay
Lecturer in Music. M.M.

John O'Brien
Lecturer in English. M.F.A.

Nancy B. Porter
Learning Center Instructor. M.S.

Caroline H. Ramsey
Lecturer in Physical Education and Health. M.S.

Lillian S. Scala
Lecturer in History. M.A.

Margaret Kidd Stocking
Instructional Assistant in Mathematics. M.A.T.

Carol Suder-Howes
Learning Center Instructor. M.A.

John Vaughan
Lecturer in Music. M.A.

Deanna K. Young
Learning Center Instructor. M.Ed.

Emeriti

Calvin Buell Agey
Professor of Music, Emeritus (1946-1973). B.M., M.M., College of Music of Cincinnati; Ph.D., Florida State University.

Ferenc F. Androczi
Professor of Library Science, Emeritus (1970-1981). M.L.S., Syracuse University; Ph.D., Budapest.

Franck Bayard
Professor of Economics, Emeritus (1967-1983). Baccalaureate, Lycee Petion, Haiti; LL.B., University of Haiti; M.A., Howard University.

J. Peter Bercovitz
Professor of Religion, Emeritus (1965-1992). B.A., Occidental College; B.D., San Francisco Theological Seminary; Ph.D., University of Edinburgh.

Frank D. Berisford
Professor of Business, Emeritus (1971-81). A.B., Marshall University; M.B.A., Wharton School, University of Pennsylvania.

John P. Burgess
Professor of Education, Emeritus (1971-1990). B.S., Purdue University; M.A.T., Miami University; M.A., Ed.D., Ball State University

Ernest Capstack, Jr.
Professor of Chemistry. Emeritus (1964-1992). B.S., Massachusetts Institute of Technology; M.S., University of Rhode Island; Ph.D., Brown University.

Herbert R. Coston, Jr.
Professor of History. Emeritus (1962-1992). B.A., University of Florida; B.D., Garrett Theological Seminary; M.A., Ph.D., Northwestern University.

Robert S. Craig
Professor of Business, Emeritus (1961-1988). A.B., Davis and Elkins College; M.Ed., University of Delaware.

Patricia K. Craven
Professor of Nursing, Emerita (1971-1988). B.S., Alderson-Broaddus College; M.N., University of Pittsburgh.

Roy W. Curry
Professor of History. Emeritus (1966-81). A.B., Marshall College; M.A., West Virginia University; Ph.D., Duke University.

Marian McBrair Davis
Professor of English, Emerita (1961-1978). A.B., Carroll College; A.M., Northwestern University; Ed.D., Columbia University.

Sidney Thomas Davis
Professor of Religion and Christian Education, Emeritus (1947-1976). A.B., West Virginia Wesleyan College; S.T.B., Boston University; Ed.M., Ph.D., University of Pittsburgh.

Florence E. Elliott
Professor of Nursing, Emerita (1976-1980). A.A., Sullins College; B.S.N.Ed., University of Virginia; M.A., Columbia University.

Franklin C. Ellis
Professor of Health and Physical Education and Coach of Baseball, Emeritus (1950-1986). B.S., West Virginia Wesleyan College; M.A., West Virginia University.

Margaret E. Wells Foster
Professor of English, Emerita (1964-1974). B.A., M.A., West Virginia University.

Elizabeth L. Gill
Professor of English, Emerita (1967-1977). B.S., Indiana State Teachers College; M.Ed., Indiana University of Pennsylvania.

Doris S. Godsey
Professor of Nursing, Emerita (1971-1983). B.S., Indiana State University; M.S., University of Maryland.

Mary B. Hallam
Professor of Mathematics, Emerita (1965-1977). B.S., West Virginia Wesleyan College; M.A., Duke University.

William A. Hallam
Professor of Mathematics, Emeritus (1928-1973). B.S., Washington and Jefferson College; A.M., Johns Hopkins University; D.S., West Virginia Wesleyan College.

Lonnie J. Hinkle
Professor of Education, Emeritus (1978-1985). B.A., West Virginia Wesleyan College; M.Ed., University of Pittsburgh; D.Ed., George Washington University.

Robert L. Hunt
Professor of History, Emeritus. (1959-1989). B.A., Alderson-Broaddus College; M.A., Marshall University.

Thorvald W. Jorgensen
Professor of Business Administration and Economics, Emeritus (1965-1977). B.A., University of Utah; M.B.A., New York University.

Bobby H. Loftis
Professor of Music, Emeritus (1959-1992). B.Mus., Shenandoah Conservatory of Music; M.M., Florida State University; Ph.D., West Virginia University.

Sybil C. Miller
Professor of Human Ecology, Emerita (1969-1988). B.S., Concord College; M.S., West Virginia University.

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Professor of Philosophy, Emeritus (1963-1988). B.A., Manchester College; B.D., Ph.D., University of Chicago.

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Professor of Health and Physical Education and Golf Coach, Emeritus (1963-1985). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

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Professor of Education, Emeritus (1963-1986). B.S., West Virginia Wesleyan College; M.A., Marshall University.

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Professor of Art, Emeritus (1970-1992). B.A., West Virginia Wesleyan College; M.A., American University.

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Professor of Anthropology and Director of the Center for Latin American Studies, Emeritus (1964-1985). B.A., M.A., Mexico City College; L.H.D., West Virginia Wesleyan College.

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Stephen D. Tinelli
Professor of Art, Emeritus (1961-1992). B.S., Lamar State College of Technology; M.A., Columbia University.

Margaret I. Walls
Professor of Human Ecology, Emerita (1960-1992). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

Elizabeth M. Weimer
Professor of Biology, Emerita (1962-1986). B.S., Bethany College; M.S., University of New Hampshire.

Cecil Thayer White
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Office of Admissions
West Virginia Wesleyan College
Buckhannon, West Virginia 26201